# Section 5

## Lighting Control And Integrated Home Systems

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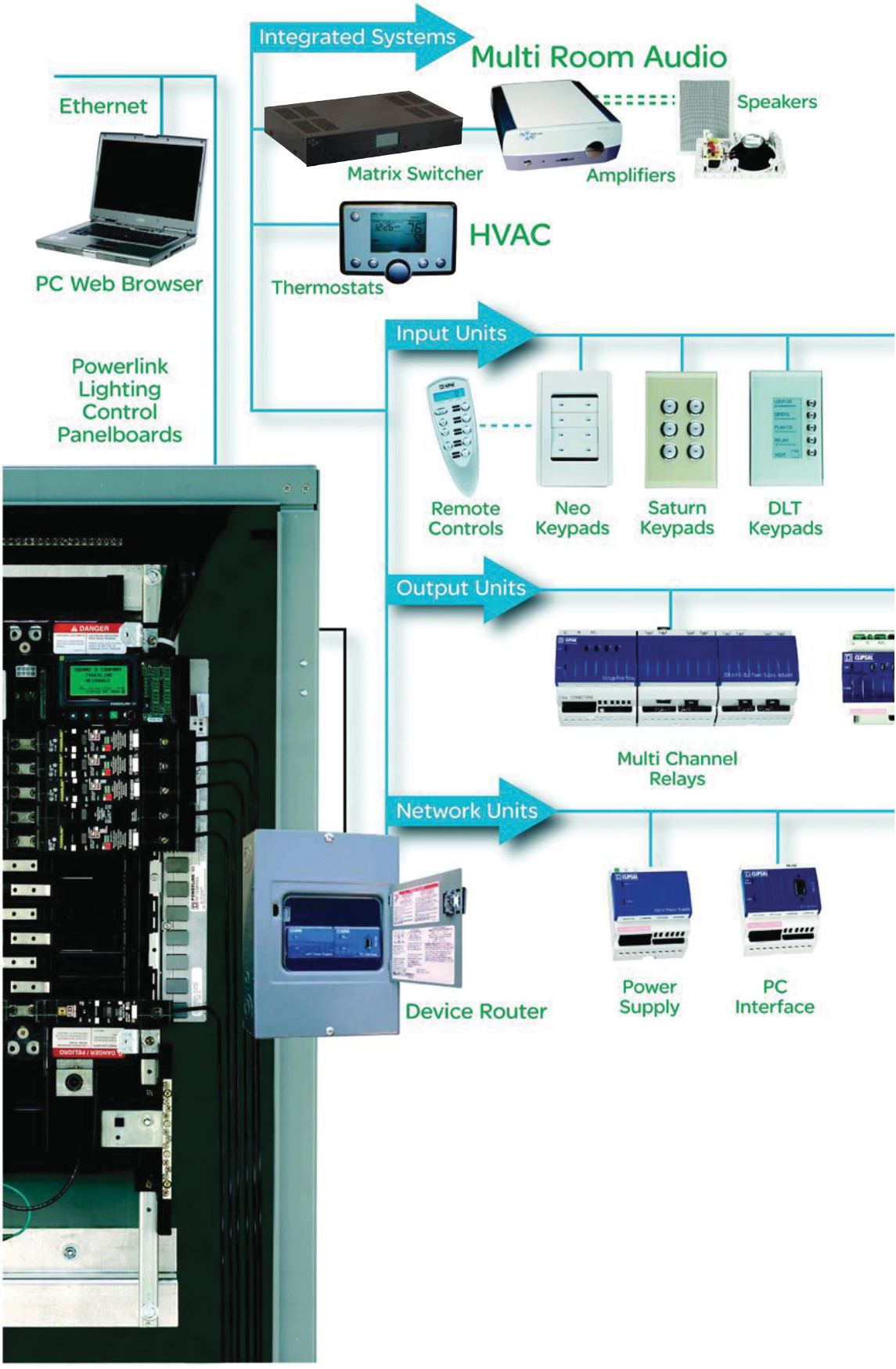
Schneider Electric Occupancy Sensors, Powerlink and C-Bus™ control systems can be used independently or combined to provide the optimal lighting control solution for your home or business



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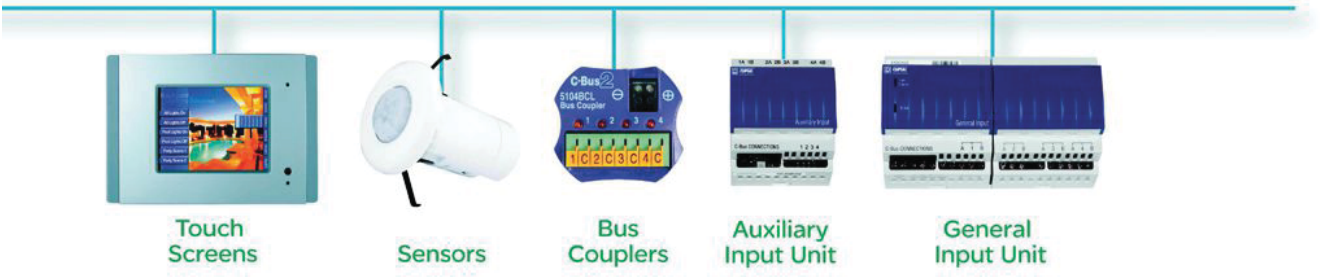


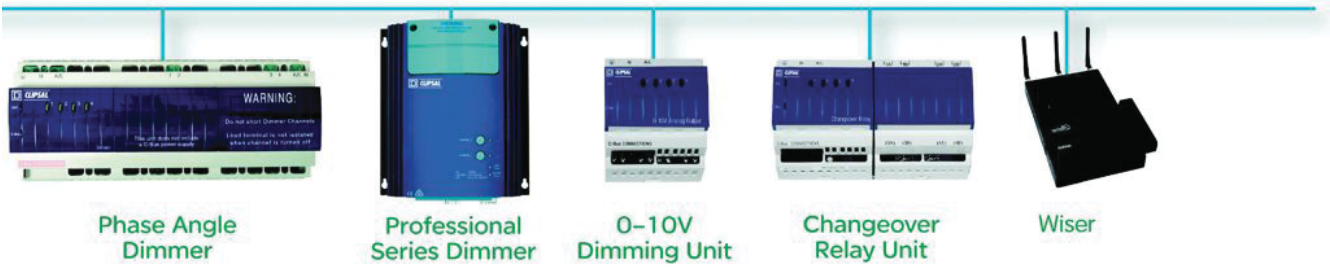

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## Neo™ Keypads

Neo Keypads offer localized finger-tip control of lighting and other electrical devices. With over 1,000 custom color combinations available, these elegant keypads compliment any decor. Requires plaster mud ring or single gang box with minimum internal width of 2.05".

- Button configurations include multi-point switching and dimming, master ON/OFF switching, and scene settings
- Scene control includes up to forty group addresses per keypad. Larger scenes are possible by sharing memory among multiple keypads
- Independent timers available for each button
- Standard built-in infrared receiver permits keypad control at a distance with an optional infrared handheld remote
- Dual-color LED windows on each button can glow in cool blue, orange, or combinations of both, indicating when a controlled device is ON or OFF
- Auto "fallback" can dim button LEDs at a set time after the last key press
- Locator LEDs can illuminate the top and bottom of the button area in cool blue, helping a user find the keypad in dim light or help the installer find the correct keypad when commissioning
- Clean-lined low-profile keypads are wall mounted without external fittings
- Optional button covers have ID windows, enabling quick identification of lighting scenes or controlled devices
- Distinctively designed multi-layer cover plate consists of button covers, an outer surround, and an inner surround
- Color schemes are easily customized and modified to suit personal taste or the décor

## Standard Neo Keypads

**Includes keypad, button covers, inner and outer surrounds.**

White: SLC505( )NLWE
Cream: SLC505( )NLCM
Brushed Aluminum w/Slate: SLC505( )NLGB

*( ) designates space for button configuration*

**Table 5.1: Standard Neo Keypad Assemblies**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5052NLGB | Neo, 2 button key input brushed aluminum | **460.00** |
| SLC5052NLWE | Neo, 2 button key input solid white | **460.00** |
| SLC5052NLCM | Neo, 2 button key input solid cream | **460.00** |
| SLC5054NLGB | Neo, 4 button key input brushed aluminum | **500.00** |
| SLC5054NLWE | Neo, 4 button key input solid white | **500.00** |
| SLC5054NLCM | Neo, 4 button key input solid cream | **500.00** |
| SLC5058NLGB | Neo, 8 button key input brushed aluminum | **560.00** |
| SLC5058NLWE | Neo, 8 button key input solid white | **560.00** |
| SLC5058NLCM | Neo, 8 button key input solid cream | **560.00** |

2 Button Keypad
Brushed Aluminum w/Slate: SLC505(2)NLGB

4 Button Keypad
Cream: SLC505(4)NLCM

8 Button Keypad
White: SLC505(8)NLWE

## Custom Neo Keypad Assemblies

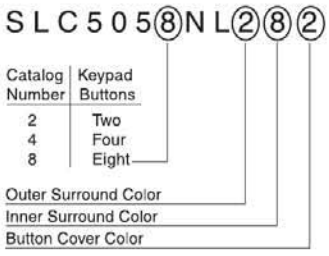
To order custom Neo Keypad assemblies indicate the number of buttons desired on the keypad and the color of each customizable component (inner surround, outer surround, and botton cover).

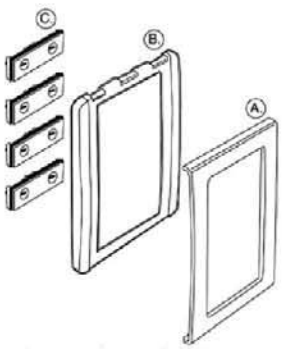
For example, in the diagram below, SLC505(8)NL(2)(8)(2) represents a Neo Keypad with eight buttons, a white (#2) outer surround, a brushed aluminum (#8) inner surround, and white (#2) button covers.

**Table 5.2: Color Chart**

| Name | Color Number |
|---|---|
| Slate | 1 |
| White | 2 |
| Cream | 3 |
| Soft Gray | 4 |
| Desert Sand | 5 |
| Black | 6 |
| Brown | 7 |
| Brushed Aluminum▲ | 8 |
| Gold▲ | 9 |

▲ Only the inner surround is available in Brushed Aluminum and Gold.




*Components of the Neo Keypad cover plate:*
*A. Inner Surround, B. Outer Surround,*
*C. Button Covers*

**Table 5.3: Neo Keypad Accessories**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5050IS( ) | Neo, inner surround, (5pk) | **152.00** |
| SLC5050OS( ) | Neo, outer surround, (5pk) | **46.00** |
| SLC5052NRP( ) | Neo, button covers, 5052L, (5pk) | **60.00** |
| SLC5054NRP( ) | Neo, button covers, 5054L, (5pk) | **60.00** |
| SLC5058NRP( ) | Neo, button covers, 5058L, (5pk) | **60.00** |
| SLC5052NRI( ) | Neo, button covers, with ID window, (10pk) | **82.00** |

Note: Accessories have unique catalog numbers. To specify colors for them, (see Table 5.1) add the color number to the end of the catalog number (Table 5.3). For example, SLC5052NR2 is the catalog number for a white button cover.

Neo button cover with ID window



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Saturn 2 Button Keypad

Saturn 4 Button Keypad

Saturn 6 Button Keypad

Saturn Style Keypad

Neo Style Keypad

## Saturn™ Keypads

Saturn Keypads incorporate a unique glass cover plate that creates a distinctive appearance. By virtue of the variety of button configurations available, one compact Saturn keypad can take the place of many single operation switches, ON/OFF toggles, dimmers, and timers. Available in two-, four-, or six-button keypads, Saturn's modern style is complemented by orange and blue LEDs that can instantly show the status of controlled devices. Requires plaster mud ring or single gang box with minimum internal width of 2.05".

- Button configurations include multi-point switching and dimming, master ON/OFF switching, and scene settings
- Scene control includes up to forty group addresses per keypad. Larger scenes are possible by sharing memory among multiple keypads
- Independent timers available for each button
- Dual-color LED windows on each button can glow in cool blue, orange, or combinations of both, indicating when a controlled device is ON or OFF
- Auto "fallback" can dim button LEDs at a set time after the last button press
- Locator LED can illuminate the keypad, helping a user find it in dim light
- Clean-lined keypads are wall mounted without external fittings
- Low-profile design extends only 0.5 in. out from the wall
- Optional button covers with labels, enabling quick identification of lighting scenes or controlled devices

## Saturn Keypads

**Table 5.4: Complete Saturn Keypads**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5082NL( ) | Saturn Full Plate, 2 button | **634.00** |
| SLC5084NL( ) | Saturn Full Plate, 4 button | **668.00** |
| SLC5086NL( ) | Saturn Full Plate, 6 button | **700.00** |

Note: Color codes are: White (WE), Black (BK), Mocha (BR), Cream (CM). The catalog number for a two-button keypad in mocha would be SLC5082NLBR

**Table 5.5: Saturn Keypad Accessories**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5080LC8 | Saturn Button Labels | **74.00** |
| SLC5082NLFSS | Saturn Cover Plate Stainless Steel, 2 button | **96.00** |
| SLC5084NLFSS | Saturn Cover Plate Stainless Steel, 4 button | **112.00** |
| SLC5086NLFSS | Saturn Cover Plate Stainless Steel, 6 button | **128.00** |
| SLC5082FGF | Saturn Cover Plate White, 2 button | **96.00** |
| SLC5084FGF | Saturn Cover Plate White, 4 button | **112.00** |
| SLC5086FGF | Saturn Cover Plate White, 6 button | **128.00** |
| SLC5082F30 | Saturn Cover Plate Cream, 2 button | **96.00** |
| SLC5084F30 | Saturn Cover Plate Cream, 4 button | **112.00** |
| SLC5086F30 | Saturn Cover Plate Cream, 6 button | **128.00** |
| SLC5082F60 | Saturn Cover Plate Black, 2 button | **96.00** |
| SLC5084F60 | Saturn Cover Plate Black, 4 button | **112.00** |
| SLC5086F60 | Saturn Cover Plate Black, 6 button | **128.00** |
| SLC5082F70 | Saturn Cover Plate Brown, 2 button | **96.00** |
| SLC5084F70 | Saturn Cover Plate Brown, 4 button | **112.00** |
| SLC5086F70 | Saturn Cover Plate Brown, 6 button | **128.00** |

Note: Color options for faceplates: Pure White (PW).

## DLT Keypads

Saturn™ Dynamic Labeling Technology™ (DLT) Keypads combine a programmable keypad button, and easily customized labels on a backlit LCD screen that eliminates the need for custom labels. By virtue of the variety of button configurations available, one compact DLT keypad can take the place of many single-operation switches, ON/OFF toggles, dimmers, and timers. The five keypad buttons incorporate blue LEDs which complements the keypad's sleek lines while showing the status of controlled devices.

- Button configurations include multi-point switching and dimming, master ON/OFF switching, and scene settings
- Keypads have five physical buttons—four control buttons, and one scroll/page button—combined with two screens of labels, for a total of eight control buttons and two scroll/page buttons
- Scene control includes up to forty addresses per keypad. Larger scenes are possible by sharing memory among multiple keypads.
- Independent timers available for each button
- Button LEDs can be used as locator lights in the dark
- 64 x 128 pixel LCD screen with a white backlight
- Editable LCD labels, available for each button or control group, can display text, symbols, and graphics.
- Dynamic graphic displays, such as bar graphs, can be enabled or disabled
- Bitmaps can be downloaded for each group address or scene
- Low-profile design, wall mounted without external fittings

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**Table 5.6: Saturn and Neo Style DLT Keypads**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5085DLWE | Saturn DLT White | 966.00 |
| SLC5085DLBK | Saturn DLT Black | 966.00 |
| SLC5085DLCM | Saturn DLT Cream | 966.00 |
| SLC5085DLBR | Saturn DLT Mocha | 966.00 |
| SLC5055DLGB | Neo DLT Brushed Aluminum | 898.00 |
| SLC5055DLWE | Neo DLT White | 898.00 |
| SLC5055DLBK | Neo DLT Black | 898.00 |
| SLC5055DLSG | Neo DLT Soft Grey | 898.00 |
| SLC5055DLCM | Neo DLT Cream | 898.00 |
| SLC5055DLDS | Neo DLT Desert Sand | 898.00 |

**Table 5.7: DLT Keypad Accessories**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5085DLFSS | Saturn DLT cover plate, Stainless Steel | 110.00 |
| SLC5085DLFCM | Saturn DLT cover plate, Cream | 110.00 |
| SLC5085DLFBK | Saturn DLT cover plate, Black | 110.00 |
| SLC5085DLFBR | Saturn DLT cover plate, Mocha | 110.00 |
| SLC5085DLFWE | Saturn DLT cover plate, White | 110.00 |
| SLC5055DLFGB | Neo DLT cover plate, Brushed Aluminum and Slate | 12.00 |
| SLC5055DLFBR | Neo DLT cover plate, Brown | 12.00 |
| SLC5055DLFCM | Neo DLT cover plate, Cream | 12.00 |
| SLC5055DLFBK | Neo DLT cover plate, Black | 12.00 |
| SLC5055DLFSG | Neo DLT cover plate, Soft Gray | 12.00 |
| SLC5055DLFDS | Neo DLT cover plate, Desert Sand | 12.00 |
| SLC5055DLFWE | Neo DLT cover plate, White | 12.00 |

Note: Color options for faceplates: Pure White (PW).

Neo Decorator Keypad

## Neo™ Decorator Keypads

Neo Style Decorator Keypads provide the same features of a standard C-Bus keypad in a format designed to conserve horizontal wall space.

- Button configurations include multi-point switching, dimming, and scene control
- LED indicator reflects status of each button
- Built-in infrared receiver to allow operation from C-Bus handheld remote control
- Distinctive Neo styling designed to match standard Neo keypads and touchscreens
- Custom color combinations available on request
- Meets NEMA Standards WD-1, WD-6

**Table 5.8: Neo Decorator Keypad Assembly (order face plates separately)**

| Catalog No. | Description | $ Price |
|---|---|---|
| **Neo Decorator 1 button keypad (XX) Designates Color. (order cover plate separately)** | | |
| SLC5051NLM(XX) | 1 button decorator keypad | 386.00 |
| **Neo Decorator 2 button keypad (order cover plate separately)** | | |
| SLC5052NLM(XX) | 2 button decorator keypad brushed aluminum | 408.00 |
| **Neo Decorator 3 button keypad (order cover plate separately)** | | |
| SLC5053NLM(XX) | 3 button decorator keypad brushed aluminum | 430.00 |
| **Neo Decorator 4 button keypad (order cover plate separately)** | | |
| SLC5054NLM(XX) | 4 button decorator keypad brushed aluminum | 452.00 |
| **Neo Decorator Blanking Plate (order cover plate separately)** | | |
| SLC5850BP(XX) | Neo blanking plate | 14.00 |

Note: Designate colors (XX), when placing order for Neo style decorator keypads.
GB – Brushed, WE – White, CM – Cream, SG – Soft Grey, DS – Desert Sand, BK – Black, BR – Brown, LA – Light Almond, VY – Ivory.

Saturn Decorator Keypad

## Saturn™ Decorator Keypads

Saturn Style Decorator Keypads provide the same features of a standard C-Bus keypad in a format designed to conserve horizontal wall space.

- Button configurations include multi-point switching, dimming, and scene control
- LED indicator reflect status of each button
- Built-in infrared receiver to allow operation from C-Bus remote controllers
- Distinctive Saturn styling designed to match standard Saturn keypads and touchscreens
- Meets NEMA Standards WD-1, WD-6

**Table 5.9: Saturn Decorator Keypad Assembly (order face plates separately)**

| Catalog No. | Description | $ Price |
|---|---|---|
| **Saturn Decorator 1 button keypad (XX) Designates Color. (order cover plate separately)** | | |
| SLC5081NLM(XX) | 1 button deco Saturn keypad, White | 526.00 |
| **Saturn Decorator 2 button keypad (XX) Designates Color. (order cover plate separately)** | | |
| SLC5082NLM(XX) | 2 button deco Saturn keypad, White | 538.00 |
| **Saturn Decorator 3 button keypad (XX) Designates Color. (order cover plate separately)** | | |
| SLC5083NLM(XX) | 3 button deco Saturn keypad, White | 548.00 |
| **Saturn Decorator 4 button keypad (XX) Designates Color. (order cover plate separately)** | | |
| SLC5084NLM(XX) | 4 button deco Saturn keypad, White | 556.00 |
| **Blanking Plates** | | |
| SLC5880BPPG(XX) | Saturn Blanking Plate | 24.00 |

Note: Designate colors (XX), when placing order for Saturn style decorator keypads.
WE – White, PW – Pure White, CM – Cream, BK – Black, BR – Brown.



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Neo Decorator Style Cover Plate

## Neo and Saturn Style Decorator Face Plates

C-Bus decorator style wall plates add a touch of flair to any décor. Available in either Neo or Saturn styling.

- Sleek, smooth contemporary architectural styling enhances fine decor
- Screwless design for easy placement
- Two piece kit allows easy retrofit
- Meets NEMA Standards WD-1, WD-6

**Table 5.10: Neo Decorator Style Cover Plates (order keypad assemblies separately)**

| Catalog No. | Description | $ Price |
|---|---|---|
| **Neo Decorator Cover Plate 1 gang▲** | | |
| SLC5051GA(XX) | 1 gang wallplate | 14.00 |
| **Neo Decorator Cover Plate 2 gang▲** | | |
| SLC5052GA(XX) | 2 gang wallplate | 18.00 |
| **Neo Decorator Cover Plate 3 gang▲** | | |
| SLC5053GA(XX) | 3 gang wallplate | 22.00 |
| **Neo Decorator Cover Plate 4 gang▲** | | |
| SLC5054GA(XX) | 4 gang wallplate | 26.00 |

▲ Cover plate assembly includes inner and outer surrounds. Wall plate ordering (Order keypads separately). Order numbers for the Neo decorator style wall plates indicate the gang number desired on the wall plate and the color of the wall plate itself. Color codes are: Slate (1), White (2), Cream (3), Soft gray (4), Desert sand (5), Black (6), Brown (7), Brushed aluminum (8), and Gold (9). For example, SLC505(1)GA(51) represents an order fo a Neo decorator style wall plate in one gang configuration, with a Desert sand outer surround and a slate inner surround.

2 Gang Saturn Decorator Style Cover Plate

**Table 5.11: Saturn Decorator Style Cover Plates (order keypad assemblies separately)**

| Catalog No. | Description | $ Price |
|---|---|---|
| **Saturn Decorator Cover Plate 1 gang■** | | |
| SLC5081GAPG(XX) | 1 gang wallplate | 24.00 |
| **Saturn Decorator Cover Plate 2 gang■** | | |
| SLC5082GAPG(XX) | 2 gang wallplate | 28.00 |
| **Saturn Decorator Cover Plate 3 gang■** | | |
| SLC5083GAPG(XX) | 3 gang wallplate | 38.00 |
| **Saturn Decorator Cover Plate 4 gang■** | | |
| SLC5084GAPG(XX) | 4 gang wallplate | 45.00 |

■ To specify color, add corresponding alpha codes. Black = BK, White = WE, Cream = CM, Mocha = BR. Example SLC5081GAPG(WE) = Saturn Decorator 1 gang, White

## Touch screens

C-Bus Touch screens are unified wall-mounted panels for controlling lighting systems and accessories with the touch of a finger. They come in both monochromatic (Mark II) and color screen versions. Compact yet powerful, touch screens offer an attractive alternative to multiple single operation switches, ON/OFF toggles, dimmers, and timers which can clutter up even the nicest wall.

Mark II Black and White and Spectrum Color touch screen with Cream Saturn style cover plate

## Mark II Black and White and Spectrum Color touch screen

- Control screens support multi-point switching and dimming, master ON/OFF switching, scheduling, and scenes with multiple loads.
- Preset scenes and functions automate the task of adjusting lighting levels to different lamps and fixtures.
- RS-232 port for third party device integration through the built in Logic Engine
- Standard real-time and astronomical clock permits time scheduling of lighting and other tasks
- Variable dimming fade rates can be configured according to load or lighting zone
- Locator option can be configured to help users find the screen in dim light
- Clean-lined low-profile touch screen can be wall-mounted without external fittings
- Infrared receiver for remote control
- Stores up to 250 scenes with 100 group addresses each. Scenes can be triggered directly from the touch screen or any other device on C-Bus

Mark II Black and White and Spectrum Color touch screen desktop model

## Mark II Black and White and Spectrum Color touch screen (desktop model)

- Screen swivels and pivots for optimal viewing
- Control screens support multi-point switching and dimming, master ON/OFF switching, scheduling, and scenes wtih multiple loads.
- Preset screens and functions automate the task of adjusting lighting levels to different lamps and fixtures.
- Standard real-time and astronomical clock permits time scheduling of lighting and other tasks
- Variable dimming fade rates can be configured according to load or lighting zone
- Locator option can be configured to help users find the screen in dim light
- Infrared receiver for remote control

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**Table 5.12:**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| **Mark II B/W Touch Screen** | | |
| SLC5050CTL2xx | Mark II w/Neo Style Cover Plate | 2439.00 |
| SLC5080CTL2xx | Mark II w/Saturn Style Cover Plate | 2499.00 |
| SLC5000CTL2SS | Mark II w/Stainless Steel Cover Plate | 2499.00 |
| **Mark II Touch Screen Desktop Model** | | |
| SLC5000CTD2xx | Mark II Desktop Touch Screen | 1920.00 |
| xx = color code / WE–White, BK–Black | | |
| **Spectrum Touch Screen** | | |
| SLC5000CTCL2 | Spectrum Base Unit Only | 2106.47 |
| SLC5000CTCL2xx | Spectrum w/non-stylized plastic Cover Plate | 2374.45 |
| SLC5050CTCL2xx | Spectrum w/Neo Style Cover Plate | 2341.17 |
| SLC5080CTCL2xx | Spectrum w/Saturn Style Cover Plate | 2386.69 |
| SLCBS5000CTCL2 | Spectrum w/Stainless Steel Cover Plate | 2232.47 |
| SLCBB5000CTCL2 | Spectrum w/Brass Cover Plate | 2265.22 |
| xx = color code / GB – Brushed Aluminum and Slate▲, WE – White, BK – Black, CM – Cream, BR – Mocha■, PW – Pure White■. | | |
| **Spectrum Desktop Model** | | |
| SLC5000CTCD2xx | Spectrum Desktop Touch Screen | 2365.61 |
| xx = color code / WE–White, BK–Black | | |
| **Accessories** | | |
| **Mark II / Spectrum Accessories** | | |
| SLC5000CT2WB | Wall box for Mark II / Spectrum Touch Screen | 68.00 |
| SLC5080CT2Fxx | Replacement Cover Plate, Saturn style | 280.22 |
| SLC5000CT2FSS | Replacement Cover Plate, Stainless Steel | 126.00 |
| SLC5050CT2Fxx | Replacement Cover Plate, Neo style | 187.76 |
| xx = color code / GB – Brushed Aluminum and Slate▲, WE – White, BK – Black, CM – Cream, BR – Mocha■, PW – Pure White■. | | |

▲ Neo only.
■ Saturn only.

Color touchscreen in Neo style Brushed Aluminum and Slate

## Color touch screen

- Built-in RJ-45 Ethernet and C-Bus network, RS-232, and USB terminals
- Touch sensitive 6.4 inch (640 x 480) color LCD panel
- Control screens support multi-point switching
- Standard real-time and astronomical clock permits time scheduling of lighting and other tasks
- Variable dimming fade rates can be configured according to load or lighting zone
- Locator option can be configured to help users find the screen in dim light
- Clean-lined low-profile touch screen can be wall-mounted without external fittings
- Infrared receiver for remote control

**Table 5.13:**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| **Color Touch Screen** | | |
| SLC5050CTCxx | Color touch screen w/Neo style Cover Plate | 8480.00 |
| SLC5080CTC2xx | Color Touch Screen w/Saturn style Cover Plate | 8480.00 |
| **Color Touch Screen Accessories** | | |
| SLC5000CTCRM | Plasterboard Bracket for Color Touch Screen | 90.00 |
| SLC5000CTCNA | Nail Bracket for Color Touch Screen | 60.00 |
| SLC5000CTCWB | Wall box for Color Touch Screen | 68.00 |
| SLC5000CTCPS | Power supply for Color Touch Screen | 263.00 |
| SLC5080CTCFxx | Replacement Cover Plate, Saturn style | 356.00 |
| SLC5050CTCFxx | Replacement Cover Plate, Neo style | 29.00 |
| xx = color code / GB – Brushed Aluminum and Slate▲, WE – White, BK – Black, CM – Cream, BR – Mocha■. | | |

▲ Neo only.
■ Saturn only.

Wiser Home Controller

## Wiser™ Home Controller

The Wiser Home Controller is the missing piece of the smart home puzzle, enhancing the capabilities and connectivity of the C-Bus network. Its easy-to-use graphical user interface (GUI) provides access to the home C-Bus network and all of your electrical, multimedia, and telecommunication needs. This same GUI can be installed across multiple control devices, such as mobile phones, TVs with Microsoft® Windows® Media® Center, personal computers, and web tablets, in addition to the C-Bus range of touch screens and keypads. No matter where you are, the Wiser Home Controller allows you to monitor and control your home environment locally or remotely over the internet.

## Features

- Ethernet and Wi-Fi based controller for your C-Bus system
- Built-in Ethernet router and Wi-Fi access point
- Support for lighting, air-conditioning, multi-room audio, alarms, cameras, and other equipment
- Built-in scene, scheduling, and logic programming modules
- Allows remote reprogramming from outside the home/building by installers
- Common, intuitive interface for all devices
- Mobile phone and web-enabled device control

**Table 5.14: Order Information**

| Description | Catalog Number | $ Price |
|---|---|---|
| Wiser Home Controller | WHC-5918 | 1505.00 |



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## C-Bus Multi Room Audio

Extend the capabilities of a C-Bus system by incorporating award winning multi-room audio into your next project. Multi-room audio augments a C-Bus lighting control system, providing high quality sound throughout a home or business.

C-Bus multi-room audio readily integrates with other C-Bus controls, providing a single source for audio and lighting from a single keypad or touch screen. Sound is distributed throughout the home through the Matrix Switcher and routed to local amplifiers.

A typical C-Bus Multi Room Audio system distributes up to four analog audio inputs, five if an Audio Distribution Unit is used, and one optical input. These inputs are distributed up to 8 zones, each consisting of one or more amplifier. Additionally, each amplifier is capable of accepting a local analog audio input, providing up to six stereo audio channels for each amplifier.

Matrix Switcher

Low Power Amplifier

## Matrix Switcher

The C-Bus™ Audio Matrix Switcher provides a revolutionary means for distributing audio throughout a home. This Matrix Switcher provides up to eight zones of audio output from four source inputs. The C-Bus Matrix Switcher allows you to send streaming audio programs to the audio zones from a variety of sources, including a local area network (LAN), or a USB memory stick (Model: SLC5608842E). In addition, it will also allow connection of a portable music player directly to the Matrix Switcher's front audio panel. Audio sources can be selected from the front panel or by any C-Bus™ input device such as touch screens or keypads. The Matrix Switcher is ideally suited for multi-room audio and structured wiring systems. Keypads and other C-Bus™ devices connect to the Matrix Switcher via CAT-5 modular jacks. Outputs to remote and desktop amplifiers are made with low voltage wiring. In addition to the six source inputs, two mono broadcast annunciation inputs are provided for connection to intercoms or other systems. Broadcast annunciation input can be given priority over other source inputs and features fully adjustment volume and over-stepping mute features.

- Suitable for 19" Rack Mount with rack mount ears provided.
- Each Matrix Switcher can distribute digital audio to up to 8 MRA amplifiers. You can install up to 3 Matrix Switchers on a C-Bus network.
- The Matrix Switcher can provide power for the attached amplifiers via the Digital Audio cables. You can connect an external power supply to an amplifier to increase its audio power output.
- The choice of the audio program for an amplifier can be made at the Matrix Switcher or in the audio zone. You can use C-Bus input devices to choose the source and to adjust volume, tone and muting.
- The Dual AM/FM tuners inside the Matrix Switcher can distribute preset station choices to any of the audio zones.
- Distributes streaming audio from several sources using the C-Bus Ripple software application running on a networked PC.
- You can connect up to 4 stereo analogue line-level inputs to the Matrix Switcher. If you need to add another source input, you can install an MRA Distribution Unit and power supply.
- Compatible with C-Bus devices.

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Desktop Amplifier

## Remote Amplifiers

C-Bus Multi Room Amplifiers provide efficient, high fidelity audio to individual rooms. Available in either desktop or remote mount versions, these amplifiers are specifically designed to operate on the C-Bus network as an extension of a lighting control system, without third party gateways or custom integration. This means the ability to control amplifiers with the same keypad or touch screen used to control lighting levels.

When combined with the C-Bus Matrix Switcher, these amplifiers deliver excellent stereo sound. Connections are provided for up to two sets of 8 ohm speakers. Both desktop and remote amplifiers provide a local input connection for attaching to CD or mp3 players, etc. In addition, the desktop amplifier will accept remote commands via its infrared receiver. Infrared remote included.

- 10 Watt digital efficient stereo amplifier, 25 Watts when connected to local power supply (optional)
- Super quiet design
- On board 8 ohm loudspeaker connections
- Local source input — RCA jack
- C-Bus connection (connects with CAT-5 cable)
- Volume control (desktop model)
- On-board IR receiver (desktop model)
- Stereo headphone connection (desktop model)
- Infrared remote included (desktop model only)

Audio Distribution Unit

## Audio Distribution Unit

The C-Bus Audio Distribution Unit is an optional device that can be used in conjunction with the C-Bus Multi Room Audio System to further enhance C-Bus enabled audio product family.

The C-Bus Audio Distribution Unit distributes a single digitized stereo audio input source to multiple locations via amplifiers wired in a parallel format. Functions such as Volume, Bass, Treble and Balance can be adjusted from a C-Bus input device at any of the audio output locations. The C-Bus Audio Distribution Unit converts a single analog stereo audio input to a digital audio output. That output can then be connected to the Matrix Switcher as an additional input or to the C-Bus Desktop or Remote Amplifier as a stand-alone configuration.

- Distributes a single stereo audio source to C-Bus Audio Amplifiers via a digitized signal over Cat-5 cable
- Does not require any C-Bus programming (hardware only)
- One stereo analog audio source input (2 X RCA)
- One digital audio output
- Output can be looped between C-Bus Audio Amplifiers
- IR emitter port

**Table 5.15: C-Bus Multi Room Audio Components**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC560110R | Low Power Amplifier, rack mountable | TBD |
| SLC5608842 | Matrix Switcher w/4 stereo analog inputs, 2 internal AM/FM tuners, IR input and target connections. Up to 8 MRA Zones. | 4599.00 |
| SLC5608842E | Matrix Switcher w/4 stereo analog inputs, 2 internal AM/FM tuners, IR input and target connections. Audio streaming using a LAN or USB source. Up to 8 MRA Zones. | 4274.10 |
| SLC560125D | Desktop Amplifier | 1908.15 |
| SLC560125R | Remote Amplifier | 1609.79 |
| SLC560011 | Audio Distribution Unit | 790.41 |
| SLC5600P24500S | Amp External Power Supply (only needed if Audio distribution unit is used to provide an additional digital input for the Matrix Switcher) | 53.22 |
| **Accessories** | | |
| SLC5600P241250 | Low Power Amplifier Power Supply | TBD |
| SLC560110E | Low Power Amplifier Enclosure (used for linking up to 4 amplifiers/enclosures together for mounting in a 19" rack) | TBD |
| SLC560110MB | Low Power Amplifier Wall Mounting Bracket | TBD |
| SLC5600P243750T | Audio Amplifier Power Supply | 445.93 |
| SLC560125MB | Remote Amplifier Mounting Bracket | 42.24 |

Indoor Ceiling Mount Speakers

Indoor Wall Mount Speakers

## Audio Speakers

C-Bus Audio Speakers are available as indoor or outdoor models and are designed to be used with home theater, multi-room, and outdoor audio applications.

The indoor speakers come in wall or ceiling mount versions that are installed with the front of the speaker flush with the mounting surface.

The indoor/outdoor speakers are available in black or white and can be placed on a shelf or hung on a surface by using the included bracket.

- Flush-mount, shelf-mount, and surface-mount models
- Indoor and outdoor models
- High-impact plastic components and powder coated metal grills produce a long-lasting unit suitable for indoor and outdoor use
- 8 ohm impedance
- Available with Kevlar™ (indoor units only) or polypropylene drivers (indoor and outdoor units) for high-quality sound in all applications
- All models are off the floor, saving floor space
- Indoor/Outdoor Speakers have a pre-installed, removable mounting bracket
- Indoor/Outdoor Speakers can be placed on a shelf or hung from a surface by their bracket (included)
- Tracing/painting template included

Indoor/Outdoor Speakers

**Table 5.16: Multi-Room Audio Speakers**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5600IWP | In-Wall Polypropylene speakers | 429.58 |
| SLC5600IWK | In-Wall Kevlar speakers | 560.00 |
| SLC5600ICP | In-Ceiling Polypropylene speakers | 408.53 |
| SLC5600ICK | In-Ceiling Kevlar speakers | 521.09 |
| SLC5600ODPBK | Outdoor Black speakers | 468.30 |
| SLC5600ODPWE | Outdoor White speakers | 468.30 |



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8 button
remote control

Universal
remote control

## Hand Held Remote Controls

C-Bus remote controls are designed for use with C-Bus keypads, multi-sensors, and touch screens. available in both four and eight button versions, these remotes have a range up to 50 feet (line of sight).

The universal remote control unit allows a single remote control unit to replace various other remotes including VCRs, CD players, DVRs, and TVs. Up to sixteen remote control codes are supported.

**Table 5.17: Handheld Remote Controls**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5084TX | Handheld infrared remote 4 button | **200.00** |
| SLC5088TX | Handheld infrared remote 8 button | **400.00** |
| SLC5030URC | Handheld universal remote control | **440.00** |

4 Zone Thermostat

## Single and 4 Zone Network Thermostats

C-Bus Thermostats are used to regulate the air temperature of zones by controlling heating-ventilation-air conditioning (HVAC) equipment. The air temperature is monitored by the unit's temperature sensor or optionally via an external C-Bus temperature sensor.

C-Bus single and programmable 4 Zone Thermostats may operate as stand alone devices, or be controlled via other C-Bus devices such as wall switches or touch screens.

Programmable 4 Zone Thermostats can schedule up to four set points during a day, and unique schedules can be programmed for each day of the week.

Both models include setback mode, (saves power by using a wider acceptable temperature range within which heating or cooling is not performed) and temperature guard, (ensures the temperature is maintained within a specified temperature range).

- Easy to read, large LCD display
- Control by keypads and other devices on the C-Bus network
- Available in black, white and stainless steel fascias
- Setback mode
- Temperature guard mode
- Internal Timer
- Daily schedule set points (4 Zone model)
- Display temperature in Celsius or Fahrenheit
- RWG interface (relay models only)
- Easily configured by using the Clipsal Toolkit software program

Single Zone Thermostat

**Table 5.18: Single and 4 Zone Network Thermostats**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5070THBWE | Single Zone, White, no relay | **649.00** |
| SLC5070THPWE | 4 Zone, White, no relay | **799.00** |
| SLC5070THBBK | Single Zone, Black, no relay | **649.00** |
| SLC5070THPBK | 4 Zone, Black, no relay | **799.00** |
| SLC5070THBSS | Single Zone, Stainless, no relay | **649.00** |
| SLC5070THPSS | 4 Zone, Stainless, no relay | **799.00** |
| SLC5070THBRWE | Single Zone w/relay, White | **724.00** |
| SLC5070THPRWE | 4 Zone w/relay, White | **899.00** |
| SLC5070THBRBK | Single Zone w/relay, Black | **724.00** |
| SLC5070THPRBK | 4 Zone w/relay, Black | **899.00** |
| SLC5070THBRSS | Single Zone w/relay, Stainless | **724.00** |
| SLC5070THPRSS | 4 Zone w/relay, Stainless | **899.00** |
| SLC5031RDTSL | Remote Temperature Sensor | **298.00** |

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Light Level Sensor

360° Indoor PIR Sensor

## Light Level Sensor

The C-Bus Light-Level Sensor measures ambient light levels and automatically issues ON, OFF, or ramp commands over a C-Bus network. The light-level sensor can control relays, dimmers, or remotely operated circuit breakers, changing their status according to pre-set ambient lighting targets. The C-Bus light-level sensor has a dynamic range between 5-150 foot candles, and compensates for noise and rapid light intensity fluctuations.

## Outdoor Light Level Sensor

C-Bus Outdoor Light-Level Sensor measures ambient light levels and automatically issues ON/OFF or ramp commands over a C-Bus network to maintain outdoor lighting levels. Primarily designed for outdoor use, this light-level sensor is also suitable for indoor setting in which a water resistant casing is desirable.

The light-level sensor can control up to two C-Bus group addresses: one address controls ON/OFF switching of a lamp circuit according to a pre-determined ambient light level, while the other is used to continuously regulate the light-level output of any number of lampsl

The target light level, the margin, and other sensor options are easily configured by using the C-Bus Toolkit software.

- Outdoor use, wall- and ceiling-mounted low-profile unit
- Can maintain a constant illumination level of 5-150 footcandles
- Adjustable lumin setpoint
- Control of up two C-Bus group addresses
- Sensors receive data and power over a single C-Bus twisted-pair cable, so they do not require power packs or line-voltage connections
- 180° field of view

**Table 5.19: C-Bus Light Level Sensor**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5031PE | Light level sensor, 0–150 Foot-candles, Indoor | 208.00 |
| SLC5031PEWP | Light Level Sensor, 5–150 Foot-candles, Outdoor | 278.00 |

Outdoor PIR Sensor

90° Indoor PIR Sensor

## Occupancy Sensors

C-Bus occupancy sensors are available for both indoor and outdoor applications. All C-Bus sensors incorporate reliable passive infrared detection (PIR) circuits for occupancy detection along with integral light level sensors to prevent switching of lights if sufficient ambient light is present. Sensors feature programmable adjustments for sensitivity and time delay, walk test LED for commissioning and optical bandpass filtering with dual element detectors to minimize false triggering.

- 90° Indoor sensors are intended for wall or ceiling mounting. These sensors have a continuous detection field of 400 square feet and a 90° field of view.
- 360° Indoor sensors are intended for flush mounting in drop ceilings. They have a minor motion detection field of 800 square feet making them ideal for use in offices, copier rooms, closets, and restrooms where it can be mounted in the center of the detection area.
- 360° Multi-Sensors combine a passive infrared receiver (PIR) for occupancy sensing, a light-level sensor, and an infrared remote receiver into a small, highly versatile unit. The multi-sensor's 2.8 inch face diameter makes it unobtrusive and ideally suited for flush mounting on the ceiling with effective IR coverage up to 800 square feet. The built-in IR receiver accepts commands from an optional handheld remote controller, making the sensor ideal for classrooms and conference room areas.
- Outdoor PIR Motion Sensor combines reliable thermal-radiation-based control of lighting with rugged construction suitable for outdoor requirements. The unit's advanced circuits and flat multi-segmented lens provide coverage of up to 3000 square feet in a 110° field of view.

360° PIR Multi Sensor

**Table 5.20: C-Bus Occupancy Sensors**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5750WPL | Occupancy sensor, multi, outdoor, 110 deg | 283.00 |
| SLC5751L | Occupancy sensor, PIR, indoor, 90 deg | 227.00 |
| SLC5753L | Occupancy sensor, PIR, indoor, 360 deg | 213.00 |
| SLC5753PEIRL | Occupancy sensor, multi, indoor, 360 deg | 268.00 |

Four-Channel Auxiliary Input unit

## Auxiliary Input Unit

C-Bus Four-Channel Auxiliary Input Units increase the versatility of the C-Bus network by facilitating remote access with any dry-contact switch mechanism. DIN-rail mounted for quick installation, the auxiliary unit can be configured with standard C-Bus control functions such as remote scene triggering, ON/OFF, toggle, dimmer, or timer.

- Provides four isolated inputs for external voltage-free mechanical switches
- Control options include remote scene triggering, ON/OFF, toggle, dimmer, or timer operations
- LEDs indicate operational status of each channel
- Standard built-in C-Bus network connectors: (2) RJ-45
- Non-volatile memory stores operating status for recovery from a power outage
- DIN style construction 4M wide: 3.4"(L) x 2.8"(W) x 2.6"(H)
- Compatible with all Clipsal devices and the Square D Powerlink™ NF3000G3C controller



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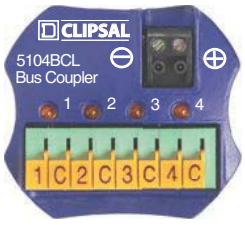
General Input unit

## General Input Unit

Four-Channel General Input Units measure TTL digital and real-world analog quantities and generate messages about the measurements to the C-Bus network. By acting as an interface with various external sensors, the general input unit enables integration of the C-Bus network with a variety of system types, such as those for HVAC and for power monitoring. Configuration options include selectable input types, eight adjustable decision thresholds per channel, definable actions, selectable filtering, broadcast rates, and a separate hysteresis value per channel.

- Measures TTL digital quantities including voltage, current, or resistance from external sensors such as light level, pressure, and temperature
- Four channels of input, each with an adjustable hysteresis value, eight decision thresholds, and a software-selectable input value transformation in the form y =ax +b
- Input channels are compatible with a range of third-party sensors
- Control functions include load switching, dimming, trigger applications, enable control applications, and measurement applications
- Includes 120 V/24 Vdc power pack
- Dimensions: 5.67 in. (144mm) wide x 2.60 in. (66mm) deep x 3.35 in. (85mm) tall
- Compatible with all Clipsal devices and the Square D Powerlink NF3000G3C controller




Four-Channel Bus Coupler

## Bus Couplers

Bus Couplers provide an interface between dry-contact mechanical switches and the C-Bus network. Available in two-and four-channel models, the bus coupler is small enough to be used in restricted spaces such as wall boxes with existing switches. Configuration options include standard control functions such as ON/OFF, toggle, dimmers, and timers.

- Provides two or four non-isolated inputs for external voltage-free mechanical switches. Two-channel units feature independent remote LED outputs
- Two-way removable terminal block for the C-Bus connection
- Receives data and power over a network, so it does not require power packs or line voltage connections
- Scene capabilities
- 2.2”(L) x 1.9”(W) x 0.7”(H)
- Compatible with all Clipsal devices and the Square D Powerlink NF3000G3C controller

**Table 5.21: Input Units**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLCLE5504AUX | 4 Channel auxiliary input unit | **544.00** |
| SLCE5504TGI | 4 Channel general input unit | **1194.00** |
| SLC5102BCLEDL | 2 Channel bus coupler | **212.00** |
| SLC5104BCL | 4 Channel bus coupler | **243.00** |

## Relays

C-Bus Relay Units are intended for switching resistive, inductive, fluorescent and incandescent low-voltage loads. Relay units are designed to be mounted in suitable DIN style enclosures. Relay units feature:

- Local toggle buttons to allow individual channels to be toggled
- Remote ON and OFF facilities permitting all channels to be turned ON or OFF without C-Bus Network communications
- Two (2) Convenient built-in C-Bus network connectors (RJ-45)
- LED Indicators to show the status of the network and the unit
- Units available both with and without a 200ma power supply on-board.
- Compatible with all Clipsal devices and the Square D Powerlink™ NF3000G3C controller

Changeover Relay

## Changeover Relay

C-Bus 2A Changeover Relays are designed to operate three-speed motors and two-way motor control devices. Some of their most common applications include operating motorized blinds, shutters, curtains and skylights (open/closed) where they provide a much simpler alternative to traditional and obtrusive relay interlocking systems.

- Four (4) isolated independently operating relay channels
- 120 Vac and 277 Vac units
- 2A motor rating
- Dimensions: 5.67 in. (144mm) wide x 2.60 in. (66mm) deep x 3.35 in. (85mm) tall

**Table 5.22: Changeover Relays**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5504TRVFC | 4 Channel Changeover Relay, 125 V, with power supply | **1100.00** |
| SLC5504TRVFCP | 4 Channel Changeover Relay, 125 V, without power supply | **1010.00** |
| SLC5504HRVFC | 4 Channel Changeover Relay, 277 V, with power supply | **1100.00** |
| SLC5504HRVFCP | 4 Channel Changeover Relay, 277 V, without power supply | **1010.00** |

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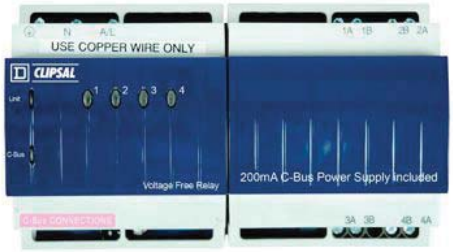


4-Channel 10 A Relay

## 10 Amp Relay

C-Bus 10A Relays feature a zero crossing magnetically latching relay designed for switching the harsh electrical loads associated with today's high efficiency lighting systems.

- Four (4) or twelve (12) independently operating voltage free relay contacts
- 120 Vac and 277 Vac units
- 10 A rating
- Dimensions: 5.67 in. (144 mm) wide x 2.60 in. (66 mm) deep x 3.35 in. (85 mm) tall

**Table 5.23: 10 Amp Relay**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5512TRVF | 12 Channel Relay, 120 V, 10 A with power supply | **2168.00** |
| SLC5512TRVFP | 12 Channel Relay, 120 V, 10 A without power supply | **1973.00** |
| SLC5504TRVF | 4 Channel Relay, 120 V,10 A with power supply | **1043.00** |
| SLC5504TRVFP | 4 Channel Relay, 120 V, 10 A without power supply | **843.00** |
| SLC5512HRVF | 12 Channel Relay, 277 V, 10 A with power supply | **2168.00** |
| SLC5512HRVFP | 12 Channel Relay, 277 V, 10 A without power supply | **1973.00** |
| SLC5504HRVF | 4 Channel Relay, 277 V,10 A with power supply | **1043.00** |
| SLC5504HRVFP | 4 Channel Relay, 277 V, 10 A without power supply | **843.00** |

4-Channel 20 A Relay

## 20 Amp Relay

C-Bus 20 A Relays feature a zero crossing magnetically latching relay designed for switching the harsh electrical loads associated with today's high efficiency lighting systems.

- Four (4) independently operating voltage free relay contacts
- 120 Vac and 277 Vac units
- 20 A rating
- Dimensions: 8.46 in. (215 mm) wide x 2.60 in. (66 mm) deep x 3.35 in. (85 mm) tall

**Table 5.24: 20 Amp Relay**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5504TRVF20 | 4 Channel Relay, 120 V, 20 A with power supply | **1320.00** |
| SLC5504TRVF20P | 4 Channel Relay, 120 V, 20 A without power supply | **1142.00** |
| SLC5504HRVF20 | 4 Channel Relay, 277 V, 20 A with power supply | **1320.00** |
| SLC5504HRVF20P | 4 Channel Relay, 277 V, 20 A without power supply | **1142.00** |

8-Channel Low Voltage Relay

## 8-Channel Low Voltage Relay

The C-Bus 8-Channel Low Voltage Relay is a C-Bus output device that controls up to eight low voltage relay channels. The unit is powered from C-Bus and requires no other power source. The 8-Channel Low Voltage Relay can be used in many low voltage applications including controlling irrigation solenoids and low voltage damper solenoids for HVAC control. The unit can also be used in integrating 3rd party equipment through pulse signal controls.

- 8 channels of 2 A switched loads @ 30 Vac/dc
- 8 channels are all isolated change over relays
- Control of 3rd party products

**Table 5.25: 8-Channel Low Voltage Relay**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5108RELVP | 8-Channel Low Voltage Relay | **298.00** |

Phase Angle Dimmer
with Power Supply

## Phase Angle Dimmers

C-Bus Phase Angle Dimmers are intended for controlling incandescent and compatible low-voltage and florescent lighting. Each of the unit's channels can independently control loads to create dynamic lighting scenes. These dimmer units automatically compensate for voltage and frequency fluctuations and employ advanced phase-control techniques to reduce flicker and increase lamp life.

- Four (4) independent channels supporting up to 4 A continuous load per channel, eight (8) independent channels supporting up to 2 A continuous load per channel
- Units available both with and without a 200 mA power supply on-board.
- 120 Vac
- Dimensions: 8.46 in. (215 mm) wide x 2.60 in. (66 mm) deep x 3.35 in. (85 mm) tall



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Professional Dimmer

## Professional Dimmer

C-Bus Professional Dimmers can control incandescent and compatible low-voltage and florescent lighting. These dimmers are ideal for larger heavily loaded circuits. Each channel provides independent dimming and incorporates thermal overload and over-current protection. These dimmer units automatically compensate for voltage and frequency fluctuations and employ advanced phase-control techniques to reduce flicker and increase lamp life.

An optional terminal box is available for conduit connections. Configuration options include network monitoring of the channel load and network voltages, adjustable delays for dimming levels, and master override.

- Specialized dimming modes—soft turn on/off and linear brightness control
- Built-in power supply sources 60 mA to the C-Bus network
- Individual channels can be turned On/Off at the unit or via C-Bus commands
- LEDs indicate the status of the network at the unit and the status of the unit's load and power
- Optional terminal box for connecting conduit
- 120 Vac
- Dimensions: 7.5 in. (190 mm) wide x 3.0 in. (75 mm) deep x 7.7 in. (195 mm) tall

**Table 5.26: C-Bus Dimmers**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5504TD4A | 4 x 4 A dimmer, incan/mag,125 V, 4 A, with power supply | 1024.00 |
| SLC5504TD4AP | 4 x 4 A dimmer, incan/mag,125 V, 4 A, without power supply | 800.00 |
| SLC5508TD2A | 8 x 2 A dimmer, incan/mag,125 V, 2 A, with power supply | 1024.00 |
| SLC5508TD2AP | 8 x 2 A dimmer, incan/mag,125 V, 2 A, without power supply | 800.00 |
| SLC5104TD5 | 4 x 5 A dimmer, incan/mag,125 V, with power supply | 1926.00 |
| SLC5102TD10 | 2 x 10 A dimmer, incan/mag,125 V, with power supply | 1926.00 |
| SLC5101TD20 | 1 x 20 A dimmer, incan/mag,125 V, with power supply | 1926.00 |
| SLCU5100TB | Termination box for SLCLU510X Series dimmer units | 78.00 |

4 Channel
0–10 V Dimmer Unit

## 0–10 V Dimming Unit

The C-Bus Analog Output Unit provides four channels of analog 0–10 Vdc for controlling electronically dimmable fluorescent lighting ballasts.

- Produces four independently controllable channels of 0–10 Vdc for controlling dimmable flourescent lighting ballasts, or other 0–10 V controllable loads
- Individual channels can be turned ON/OFF at unit, via C-Bus commands, and through a remote override option
- 120 V or 277 Vac models available
- DIN style construction 4M wide: 3.4"(L) x 2.8"(W) x 2.6"(H)

**Table 5.27:**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLCLE5504TAMP | 4 Channel 0–10 V Output, 120 V | 624.00 |
| SLCLE5504HAMP | 4 Channel 0–10 V Output, 277 V | 624.00 |

DALI Gateway

## DALI Gateway

The C-Bus Digital Addressable Lighting Interface (DALI) Gateway provides an isolated two-way communications path between a C-Bus network and two DALI networks, making it possible to use C-Bus devices to control DALI ballasts.

- Provides two-way communications between C-Bus and DALI networks, routing selected messages from one to the other
- Unit is transparent and invisible to DALI ballasts
- Receives data and power over the network, so the unit does not require power packs or line-voltage connections
- DIN style construction 4M wide: 3.4"(L) x 2.8"(W) x 2.6"(H)

**Table 5.28:**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5502DAL | 2 Channel DALI Gateway | 1014.00 |

## DMX Gateway

The C-Bus DMX Gateway is a DIN rail mounted unit that maps C-Bus Group Addresses and levels to a DMX-512 A interface.

The C-Bus DMX Gateway is a one way device. It permits C-Bus input devices such as keypads, DLTs and PIRs to control lighting devices with DMX interface capabilities. These include many manufacturers of LED fixtures and theatrical lighting equipment.

- Includes DMX interface (bootlace connnectors to 5-pin female XLR)
- DMX Master device
- Receives data and power over the C-Bus network, so the unit does not require a line voltage connection
- DIN style construction 4M wide: 3.4" (L) x 2.8" (W) x 2.6" (H)

**Table 5.29:**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5500DMX | C-Bus to DMX Gateway | 936.00 |

Network Bridge

## Network Bridge

The C-Bus Network Bridge provides a communication channel between C-Bus units on separate networks, expanding the total number of units that can be configured, controlled, and monitored.

- Increases transmission distances by acting as a repeater station for data transmission
- Expands the total number of C-Bus devices that can operate on the system by isolating devices to individual networks
- Indicates each network's status level
- Uses built-in connectors to connect to a C-Bus network
- Compatible with Powerlink G3 3000C controller and all C-Bus components, including keypads, sensors, and dimmers
- DIN style construction 4M wide: 3.4"(L) x 2.8"(W) x 2.6"(H)

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Power Supply

## Power Supply

The C-Bus Power Supply is specifically designed to operate with the C-Bus network as a power source for passive C-Bus devices. Up to five power supplies can be connected to a single C-Bus network.

- Available in 120 and 277 Vac models
- Regulating power supply compensates for line voltage and frequency variations, so there is constant output
- Sources up to 350 mA to the C-Bus network
- UL listed to operate in parallel with other Clipsal power supplies, up to five on a single C-Bus network
- Incorporates short circuit and reverse polarity protection
- DIN style construction 4M wide: 3.4"(L) x 2.8"(W) x 2.6"(H)

PC Interface

## PC Interface

The C-Bus PC Interface (PCI) expands options for configuring, controlling, and monitoring C-Bus networks by providing an interface between the network and a personal computer (PC). The C-Bus PCI module easily mounts to a DIN rail and connects to the C-Bus network. Power to the unit is provided through the C-Bus network.

### Serial

- Unit/Comms LED shows the status of the unit's power and of any data transmissions
- Three RS-232 serial connectors for connecting to a PC or to external devices: (1) 9-pin D-type serial connector (female) and (2) 8-pin RJ-45 connectors
- Two C-Bus network connector ports: RJ-45 sockets
- Data cable for connecting PCI and personal computer, including DB9 connectors

### USB

- Unit/Comms LED shows the status of the unit's power and of any data transmissions
- Two C-Bus network connector ports: RJ-45 sockets
- USB PC connection
- Data cable for connecting PCI and personal computer

## Pascal Automation Controller

C-Bus Pascal Automation Controller (PAC) provides extended conditional and real-time event programming to C-Bus systems. The PAC supports a full range of programming commands including conditional logic, flow control variables and scheduling.

Systems integrators will appreciate the built-in scheduling tools, scene tools, and wizards for creating basic logic programs. Full programming capabilities can be achieved utilizing the free-form script editor based off the pascal programming language.

- Connects directly to C-Bus network
- Powered from the C-Bus network
- USB port for connection to personal computer
- (2) RS232 ports for third party device control
- Real time, astronomical and C-Bus system clock included with 24 hour internal capacitor backup and external 12 Vdc battery terminals

Programming capabilities including: i.e. Conditional logic (if, then, and, or, not, etc.), Flow Control (for, repeat, while), Variables (integer, real, Boolean, character, string), Control and monitoring of group addresses, Control and monitoring of scenes.

Ethernet Network Interface

## Ethernet Network Interface

The C-Bus Ethernet Network Interface unit is a C-Bus system device designed to provide an isolated communications path between an Ethernet 10Base-T Network and a C-Bus Network. This allows high-speed control and monitoring of a C-Bus installation via the TCP/IP protocols used in computer networks and by the Internet. System integrators and installers will also benefit from having remote access to the system. With the C-Bus Ethernet Network Interface unit, access to a single or multiple networks can be as close as the nearest Ethernet connection.

- Remote access to Clipsal systems
- Bridge multiple C-Bus networks together over LAN or WAN
- Fully supports all Clipsal commands
- Small size, mounts in standard DIN enclosure (4M wide)
- Includes 12 Vdc power supply

Telephone Interface Unit

## Telephone Interface Unit

C-Bus Telephone Interface Unit offers a dial-in and dial-out capability for control of a C-Bus system. Remote location override, monitoring, diagnostics and configuration of a C-Bus system is possible with this unit. The C-Bus Telephone Interface Unit is programmed using a connection to a PC running TICA (Telephone Interface Commissioning Application) configuration software. The interface can also act as a C-Bus PC Interface. The Telephone Interface Unit can be installed in a C-Bus 36 or 60M enclosure or as a wall mountable stand-alone item with connection to C-Bus.

- Remote location override
- Voice prompts and confirmation
- Password protected
- 32 supported devices
- Automatic dial out on present conditions
- Local or remote site access to C-Bus system
- Audio Out



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## Bar Code Reader

The C-Bus Bar Code Reader allows installers and integrators to quickly scan C-Bus devices with serial numbers and import them into C-Bus Toolkit software. Using a USB connection to a PC, users can easily identify and track C-Bus Unit locations on a floorplan/network.

## Network Analyzer

The C-Bus Analyzer is a C-Bus device designed to help an installer quickly analyze, detect, and troubleshoot potential problems on a C-Bus network. The device analyzes the network parameters and prompts the user for appropriate actions via its front LED (Light Emitting Diode) indicators.

**Table 5.30: System Units**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLC5500NB | Network bridge | 663.00 |
| SLC5500TPS | 120 V Power supply, 350 mA | 500.00 |
| SLC5500HPS | 277 V Power supply, 350 mA | 500.00 |
| SLC5500PC | RS-232 PC Interface | 488.00 |
| SLC5500PCU | USB PC Interface | 488.00 |
| SLC5500PACA | Pascal Automation Controller | 586.00 |
| SLC5500CN | Ethernet Network Interface | 664.00 |
| SLC5100TUS | Telephone Interface Unit | 898.00 |
| **Accessories** | | |
| SLC5100BCS | Bar Code Reader | 604.00 |
| SLC5100NA | C-Bus Network Analyzer | 328.00 |

8M Enclosure

## 8M Enclosure

The 8M enclosure is specifically designed for distributed applications. Suitable for surface mounting, the 8M enclosure consists of a box with a cover and a DIN rail for mounting one 8M or two 4M C-Bus units. The enclosure also has provisions for mounting neutral and ground bars.

- Surface-mount NEMA 1 enclosure
- Welded sheet steel with knockouts
- Gray baked enamel, electrodeposited over cleaned, phosphatized steel
- Triple-lead cover screws for fast installation of cover
- DIN rail, suitable for mounting one 8M or two 4M C-Bus DIN modules

12M Enclosure

## 12M Enclosure

The 12M enclosure is specifically designed for distributed applications that require physical proximity between DIN units and keypads, sensors or controlled loads. Suitable for surface mounting, the 12M enclosure consists of a box with a cover and a DIN rail for mounting three 4M C-Bus units, one 8M unit plus one 4M unit or one 12M unit. The enclosure also has factory mounted neutral and ground bars.

- Surface-mount NEMA 1 enclosure
- Welded sheet steel with knockouts
- Gray baked enamel, electrodeposited over cleaned, phosphatized steel
- Triple-lead cover screws for fast installation of cover
- DIN rail, suitable for mounting one 12M or three 4M C-Bus DIN modules

24M Enclosure

## 24M Enclosure

The 24M enclosure is specifically designed for distributed applications that require physical proximity between DIN units and keypads, sensors or controlled loads. Suitable for surface mounting, the 24M enclosure consists of a box with a cover and two rows for mounting C-Bus DIN-mounted C-Bus units. Each row can hold one 12M unit, one 8M unit plus one 4M unit, or three 4M untis. The enclosure also has provisions for additional neutral and ground bars.

- Surface-mount NEMA 1 enclosure
- Welded sheet steel with knockouts
- Gray baked enamel, electrodeposited over cleaned, phosphatized steel
- Triple-lead cover screws for fast installation of cover
- DIN rail, suitable for mounting Clipsal DIN-mounted C-Bus units. Each row can hold one 12M unit, one 8M unit plus one 4M unit, or three 4M units

36M Enclosure

## 36M and 36MS Enclosure

The 36M and 36MS enclosures provide a multi-purpose means for housing various C-Bus DIN-mounted devices. Suitable for flush or surface mounting, the enclosure consists of a mounting pan assembly, and a cover assembly. The box is to be ordered separately, allowing for its installation with the rough-in of field wiring. Enclosures feature:

- NEMA 1 enclosure suitable for flush or surface mounting
- Welded sheet steel with knockouts
- Gray baked enamel paint, electrodeposited over cleaned, phosphatized steel
- Triple-lead cover screws for fast installation of cover
- 3 DIN mounting rails, each accommodating up to one 12M unit, one 8M unit with one 4M unit, or three 4M units
- Complete with barriers for separation of Class 2 circuits from line voltage (36M only)
- The 36MS offers a reduced footprint than the 36M

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## 60M Enclosure

The 60M enclosure provides a means for housing DIN style relays and dimmers. Suitable for flush or surface mounting, the enclosure consists of a mounting pan assembly, and a cover assembly. The box is to be ordered separately, allowing for its installation with the rough-in of field wiring. Enclosures feature:

- NEMA 1 enclosure suitable for flush or surface mounting
- Welded sheet steel with knockouts
- Gray baked enamel paint, electrodeposited over cleaned, phosphatized steel
- Triple-lead cover screws for fast installation of cover
- 5 DIN mounting rails, each accommodating up to one 12M unit, one 8M unit with one 4M unit, or three 4M units
- Complete with barriers for separation of Class 2 circuits from line voltage

**Table 5.31: Enclosures and Accessories**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| **8M Enclosure** | | |
| SLC8M | C-Bus single row enclosure, surface mount | 110.00 |
| **12M Enclosure** | | |
| SLC12MSG | C-Bus single row enclosure, surface mount | 120.00 |
| **24M Enclosure** | | |
| SLC24MSG | C-Bus dual row enclosure, surface mount | 240.00 |
| **36MS Enclosure** | | |
| SLC36SC | C-Bus box for small three row interior | 120.00 |
| SLC36MSFG | C-Bus small three row interior with flush gray cover | 690.00 |
| SLC36MSFW | C-Bus small three row interior with flush white cover | 690.00 |
| SLC36MSSG | C-Bus small three row interior surface mount gray cover | 690.00 |
| **36M Enclosure** | | |
| SLC36C | C-Bus box for three and five row interiors | 136.00 |
| SLC36MFG | C-Bus three row interior with gray cover, flush mount | 740.00 |
| SLC36MFW | C-Bus three row interior with white cover, flush mount | 740.00 |
| SLC36MSG | C-Bus three row interior surface gray | 740.00 |
| **60M Enclosure** | | |
| SLC36C | C-Bus box for three and five row interiors | 136.00 |
| SLC60MFG | C-Bus five row interior with gray cover, flush mount | 1233.00 |
| SLC60MFW | C-Bus five row interior with white cover, flush mount | 1233.00 |
| SLC60MSG | C-Bus five row interior surface gray | 1233.00 |
| **Accessories** | | |
| PK7GTA | Ground/Neutral Bar | 7.80 |
| PKGTAB | Neutral Insulator Kit | 29.20 |
| SLC4CSF8 | Filler Plate, 4M | 18.00 |

## Area Lighting Panels

Area Lighting Panel

C-Bus Area lighting Panels are ideally suited to meet lighting control energy code requirements in classrooms, offices and other small spaces. Area Lighting Panels are designed to be used with C-Bus input units, including: keypads, sensors (occupancy and light level detection) and touch screens. A simple CAT-5 cable is all that is required for connecting of these devices.

C-Bus Area Lighting Panels provide on/off switching, stepped dimming or continuous dimming. All relays feature rugged 20 A rated contacts for switching electronic ballast loads. Models with continuous dimming capabilities are available with phase angle or 0–10 V control. C-Bus Area Lighting Panels can operate independently or as part of an entire facility wide lighting control system. Enclosures can easily be mounted in electrical closets or in ceiling spaces. They include all necessary connections and are UL® Listed. Area Lighting Panels can also be used in conjunction with Powerlink™ panels.

- Relay models: Four (4) or Eight (8) channel relay outputs, rated 20 A
- Phase Angle Dimmer Model: Four (4) channels of 4 A outputs for incandescent lighting loads.
- 0–10 V outputs available for control of compatible 0–10 V dimmable fluorescent ballasts, or LED drivers
- Integral neutral and ground bar terminal strips
- Meets NEC 300.22 requirements to be installed above ceilings and other spaces that handle environmental air
- Bypass mode to facilitate quick start up
- Meets NEC Article 409
- UL Listed 508 A

**Table 5.32: C-Bus Area Lighting Panels**

| Catalog No. | Description | $ Price |
|---|---|---|
| **4 Channel 20 A Relay Models** | | |
| SLCZ042000T | 4 Channel 20 A Relay @ 120 V with power supply▲ | 1769.00 |
| SLCZ042000H | 4 Channel 20 A Relay @ 277 V with power supply▲ | 1769.00 |
| SLCZ042000TP | 4 Channel 20 A Relay @ 120 V without power supply | 1675.00 |
| SLCZ042000HP | 4 Channel 20 A Relay @ 277 V without power supply | 1675.00 |
| **8 Channel 20 A Relay Models** | | |
| SLCZ082000T | 8 Channel 20 A Relay @ 120 V with power supply▲ | 2646.00 |
| SLCZ082000H | 8 Channel 20 A Relay @ 277 V with power supply▲ | 2646.00 |
| SLCZ082000TP | 8 Channel 20 A Relay @ 120 V without power supply | 2462.00 |
| SLCZ082000HP | 8 Channel 20 A Relay @ 277 V without power supply | 2462.00 |
| **4 Channel 20 A Relay Models with 0-10 V Output Units** | | |
| SLCZ04204AT | 4 Channel 20 A Relay @ 120 V with power supply and 4 Channel 0–10 V Output Unit▲ | 2492.00 |
| SLCZ04204AH | 4 Channel 20 A Relay @ 277 V with power supply and 4 Channel 0–10 V Output Unit▲ | 2492.00 |
| SLCZ04204ATP | 4 Channel 20 A Relay @ 120 V without power supply and 4 Channel 0–10 V Output Unit | 2308.00 |
| SLCZ04204AHP | 4 Channel 20 A Relay @ 277 V without power supply and 4 Channel 0–10 V Output Unit | 2308.00 |
| **4 Channel 20 A Phase Angle Dimmer Models** | | |
| SLCZ00004DT | 4 Channel 20 A Phase Angle Dimmer @ 120 V with C-Bus power supply▲ | 1144.00 |
| SLCZ00004DTP | 4 Channel 20 A Phase Angle Dimmer @ 120 V without C-Bus power supply | 920.00 |
| **4 Channel 20 A Relay Models with Phase Angle Dimmer Units** | | |
| SLCZ04204DT | 4 Channel 20 A Relay @ 120 V with C-Bus power supply and 4 Ch. Phase Angle Dimmer Unit▲ | 2630.00 |
| SLCZ04204DTP | 4 Channel 20 A Relay @ 120 V without C-Bus power supply and 4 Ch. Phase Angle Dimmer Unit | 2182.00 |

▲ For stand-alone applications order unit with power supply.


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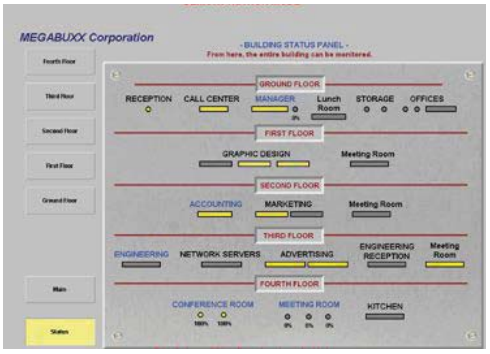
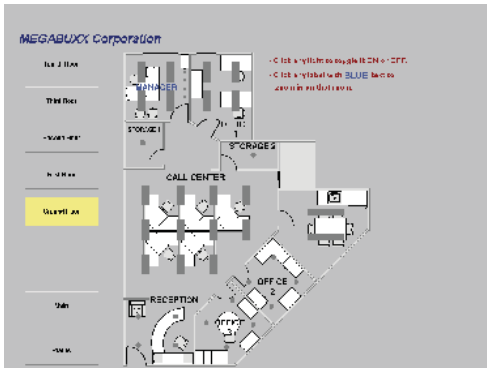
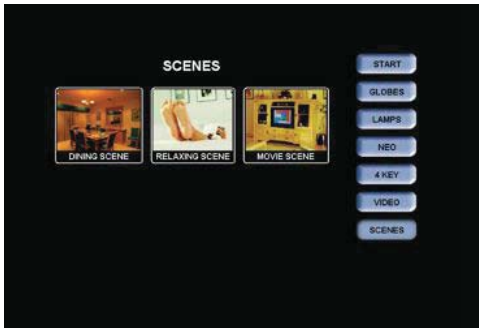
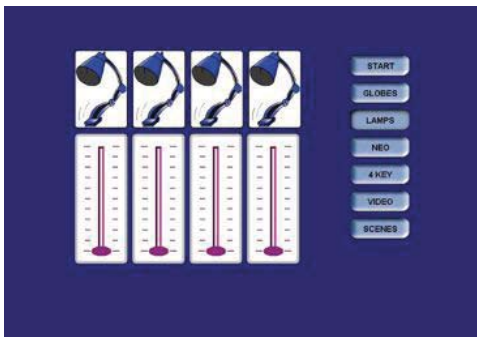



Schedule Plus Software Screen Captures




HomeGate Software Screen Captures

## C-Bus Toolkit Software

The C-Bus Toolkit Software includes the C-Bus Installation and programming Software, Project Manager, and C-Bus Calculator. The software works under Windows™ 98, ME, 2000 and XP and supports a unique barcode scanning feature. This allows the installer to scan the C-Bus packaging of each new unit to add the unit to the database. The software prints adhesive labels that can be affixed to building plans. These labels include the Unit Address and the physical location that the unit is to be installed. Labels are duplicated so that one label can be affixed to the unit and one to the electrical plan for the installation. The labels have barcodes on them so that units can be easily re-identified if required.

***NOTE:*** *C-Bus Toolkit Software is a free download from http://www.schneider-electric.us/solutions/lighting-and-whole-home-control/*

## Schedule Plus Software V.4

C-Bus Schedule Plus Version 4 includes a number of major features, including enhanced scheduling features, support for monitoring load run times, load power and energy consumed, support for fully customizable multilevel, password protected, access level control, support for sunrise and sunset times, support for daylight saving times, support for 128 bit encrypted secure Internet connectivity allowing control and monitoring via any Web Browser. The software also includes a graphic display as well as a fully featured programmable logic engine. The USB Code Key works under Windows XP Home, XP Professional, Server 2003, Vista Ultimate, Vista Business and Vista Enterprise.

***NOTE:*** *An evaluation version of Schedule Plus is available for download by going to http://www.schneider-electric.us/solutions/lighting-and-whole-home-control/ and clicking Software Downloads in the far-left column.*

## HomeGate Software V.4

Residential application PC control of a C-Bus Control System. C-Bus HomeGate Version 4 includes a number of major features, including support for 128 bit encrypted secure Internet connectivity allowing control and monitoring via any Web Browser, irrigation system control feature, enhanced scheduling features, support for sunrise and sunset times, support for daylight saving times. The software also includes a fully featured programmable logic engine. The C-Bus USB Key works under Windows XP Home, XP Professional, Server 2003, Vista Ultimate, Vista Business and Vista Enterprise.

***NOTE:*** *An evaluation version of HomeGate is available for download by going to http://www.schneider-electric.us/solutions/lighting-and-whole-home-control/ and clicking Software Downloads in the far-left column.*

## Installer License Key

The C-Bus Software Installer License Key is a valuable tool for installers to create/commission projects using C-Bus Version 4 Schedule Plus & HomeGate software. This code key is time restricted and allows the software to operate in 'normal' mode for anywhere between 48 to 72 hours per use (the software then returns to evaluation/demo mode).

***NOTE:*** *The installer code key will also be compatible with future software releases.*

**Table 5.33:**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| **Schedule PlusV. 4** | | |
| SLC5000SDSP24 | License Key for 2 Networks | **792.00** |
| SLC5000SDSP104 | License Key for 10 Networks | **1680.00** |
| SLC5000SDSPU4 | License Key for Unlimited Networks | **2665.00** |
| **HomeGate V. 4** | | |
| SLC5000SDHG24 | License Key for 2 Networks | **352.00** |
| SLC5000SDHG104 | License Key for 10 Networks | **680.00** |
| SLC5000SDSP24 | Installer key for Schedule Plus or Homegate (unlimited networks) | **389.00** |

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Wall Switch Occupancy Sensor

## Basic Wall Switch Occupancy Sensors

Wall Switch Occupancy Sensors are ideally used in commercial buildings to save energy that would otherwise be wasted to light unoccupied rooms or spaces. These Wall Switch Occupancy Sensors employ the latest in passive infrared (PIR) sensing technology to accurately sense when a room or space is occupied, then turn lights on. When the room is unoccupied, the sensor turns lights off after a time delay of up to 30 minutes as determined by the user. Auto-ON and Manual-ON models available with decorator wall plate in White, Ivory or Light Almond. Simply mount the sensor in place of existing single gang switch — no neutral connection required. Special multi-segmented lens creates a coverage pattern that accurately detects major motion in rooms up to 1000 sq. ft.

- Input: 120/277 Vac 60 Hz
- Output: 1000W Max. Load @ 120 V (1000 VA@120 V 1800 VA@277 V)
- 1/4 HP Max. Motor Load
- UL and cUL Listed
- For use with electronic and magnetic ballasts
- CEC Title 24 Certified

Commercial Grade Wall Switch

## Commercial Grade Wall Switch Occupancy Sensors

Maximum energy savings in a format that will complement any decor. Low profile sensors are available in white, ivory, gray, light almond and black with color-matched segmented lens.

**Light Level Sensor Mode:** Each sensor includes an adjusatble light level sensor to hold off artificial lighting when adequate natural light is present.

**Walk-Through Mode:** To maximize energy savings, the sensor detects when areas are briefly occupied as a result of a person walking through and turns off lighting based on a shorter time delay. Walk-Through Mode is available on single and dual circuit units.

**Lamp Saver Mode:** When the lamp saver feature is enabled, the sensor automatically alternates which load responds to motion. The result is more predictable lamp life and reduced maintenance. (Dual circuit only)

**Adaptive Technology:** Commercial Grade dual technology and ultrasonic wall switch occupancy sensors feature a patented adaptive technology that significantly reduces the learning period typically associated with adaptive sensors. Adaptive Sensors from Schneider Electric reduce the occurrence of nuisance on and nuisance off while at the same time extending lamp life and reducing maintenance.

Blank Cover Plate with decorator style opening

- Available in white, ivory, gray, light almond and black with matching cover plate (included)
- Color matching multi-segmented lens
- Audible alert
- Selectable auto-on and manual-on modes
- Red LED motion indicator
- For use with electronic and magnetic ballasts
- 1000 VA@120 V, 1800 VA@277 V
- User adjustable light level, time delay, and sensitivity
- 30 second grace period in the manual-on mode

Toggle Cover Plate with decorator style opening

## Residential Wall Switch Vacancy Sensors

The Residential Vacancy Sensor directly replaces standard light switches in bathrooms, garages, laundry rooms and utility rooms in accordance with Title 24 2005 requirements for residential lighting (Sections 119(d) and 150 (k)). Vacancy Sensors from Schneider Electric operate just like a standard light switch, requiring a button press to turn lights on. Lights may be turned off with a button press or the sensor will turn off lighting automatically when the area is unoccupied.

- No user time delay and sensitivity adjustments necessary
- Available in White, Ivory or Light Almond
- Furnished with cover plate
- Manual On/Manual Off or Automatic Off operation
- No neutral or minimum load required
- Rated for both 120 V incandescent and fluorescent lighting
- Title 24 2005 Residential Lighting requirements, Sec. 150(k)
- No override on
- Manual-on only (no auto-on mode)
- 30 minute time delay

**Table 5.34:**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| **Basic Wall Switch Occupancy Sensors** | | |
| **Auto-ON/Auto-OFF** | | |
| SLSPWS1277AL | Light Almond Wall Switch Occupancy Sensor | 81.00 |
| SLSPWS1277AW | White Wall Switch Occupancy Sensor | 81.00 |
| SLSPWS1277AI | Ivory Wall Switch Occupancy Sensor | 81.00 |
| **Manual-ON/Auto-OFF** | | |
| SLSPWS1277ML | Light Almond Wall Switch Occupancy Sensor | 62.00 |
| SLSPWS1277MW | White Wall Switch Occupancy Sensor | 62.00 |
| SLSPWS1277MI | Ivory Wall Switch Occupancy Sensor | 62.00 |
| **Residential Vacancy Sensor** | | |
| SLSPWS120VL | Wall switch vacancy sensor, light almond | 42.00 |
| SLSPWS120VI | Wall switch vacancy sensor, ivory | 42.00 |
| SLSPWS120VW | Wall switch vacancy sensor, white | 42.00 |
| **Commercial Grade Wall Switch Occupancy Sensors** | | |
| **Single Circuit PIR** | | |
| SLSPWS1277UW | White | 90.00 |
| SLSPWS1277UI | Ivory | 90.00 |
| SLSPWS1277UG | Gray | 90.00 |
| SLSPWS1277UL | Light Almond | 90.00 |
| SLSPWS1277UB | Black | 90.00 |
| **Dual Circuit PIR** | | |
| SLSPWD1277UW | White | 117.00 |
| SLSPWD1277UI | Ivory | 117.00 |
| SLSPWD1277UG | Gray | 117.00 |
| SLSPWD1277UL | Light Almond | 117.00 |
| SLSPWD1277UB | Black | 117.00 |
| **Single Circuit Ultrasonic** | | |
| SLSUWS1277UW | White | 142.00 |
| SLSUWS1277UI | Ivory | 142.00 |
| SLSUWS1277UG | Gray | 142.00 |
| SLSUWS1277UL | Light Almond | 142.00 |
| SLSUWS1277UB | Black | 142.00 |
| **Dual Circuit Ultrasonic** | | |
| SLSUWD1277UW | White | 165.00 |
| SLSUWD1277UI | Ivory | 165.00 |
| SLSUWD1277UG | Gray | 165.00 |
| SLSUWD1277UL | Light Almond | 165.00 |
| SLSUWD1277UB | Black | 165.00 |
| **Single Circuit Dual Technology** | | |
| SLSDWS1277UW | White | 187.00 |
| SLSDWS1277UI | Ivory | 187.00 |
| SLSDWS1277UG | Gray | 187.00 |
| SLSDWS1277UL | Light Almond | 187.00 |
| SLSDWS1277UB | Black | 187.00 |
| **Dual Circuit Dual Technology** | | |
| SLSDWD1277UW | White | 210.00 |
| SLSDWD1277UI | Ivory | 210.00 |
| SLSDWD1277UG | Gray | 210.00 |
| SLSDWD1277UL | Light Almond | 210.00 |
| SLSDWD1277UB | Black | 210.00 |
| **Blank Cover Plates** | | |
| SLSWP2DBW | White | 7.50 |
| SLSWP2DBI | Ivory | 7.50 |
| SLSWP2DBG | Gray | 7.50 |
| SLSWP2DBL | Light Almond | 7.50 |
| SLSWP2DBB | Black | 7.50 |
| **Toggle Cover Plates** | | |
| SLSWP2DTW | White | 7.50 |
| SLSWP2DTI | Ivory | 7.50 |
| SLSWP2DTG | Gray | 7.50 |
| SLSWP2DTL | Light Almond | 7.50 |
| SLSWP2DTB | Black | 7.50 |
| **Buttonless Cover Plates** | | |
| SLSBCW | Buttonless Adjustment Access Covers, White | 15.00 |
| SLSBCI | Buttonless Adjustment Access Covers, Ivory | 15.00 |
| SLSBCG | Buttonless Adjustment Access Covers, Gray | 15.00 |
| SLSBCL | Buttonless Adjustment Access Covers, Light Almond | 15.00 |
| SLSBCB | Buttonless Adjustment Access Covers, Black | 15.00 |



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Dual Technology Wall Mount

Dual Technology Ceiling Mount

Power Pack

## Wall Mount Occupancy Sensors

Wall Mount Occupancy Sensors from Schneider Electric accurately detect occupancy and automatically switch lighting on and off as needed. These sensors are wall or ceiling mounted for superior motion detection. Sensors employ Passive Infrared (PIR) and Ultrasonic technology. Dual Technology model features combined PIR and Ultrasonic detection for the ultimate performance. The PIR Occupancy Sensor has 3 interchangeable lenses for custom coverage patterns. Wide Angle, Long Range and High Bay. Wall mount sensors also incorporate an integral light level sensor, and features an isolated relay for use with building automation, security and HVAC systems.

- Adjustable Sensitivity
- Adjustable time delay
- UL and cUL Listed
- CEC Title 24 Certified
- FCC Part 15, Class B
- ASHRAE/IES 90.1

**Table 5.35: Wall Mount Occupancy Sensors**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLSWPS1500 | PIR occupancy sensor | 161.00 |
| SLSWUS1500 | Ultrasonic occupancy sensor | 191.00 |
| SLSWDS1500 | Dual Technology occupancy sensor | 221.00 |

## Ceiling Mount Occupancy Sensors

Ceiling Mount Occupancy Sensors are ideal for offices, conference rooms, class rooms and other shared areas to automatically turn lights on and off based on occupancy. Sensors employ Passive Infrared (PIR) and Ultrasonic technology. Dual Technology model features combined PIR and Ultrasonic detection for the ultimate performance. Requires power pack. Set of normally closed and normally opened auxiliary contacts for use with building automation and security systems.

- Input: 24 Vdc
- Output: +24 Vdc
- Adjustable Sensitivity
- Low Profile Housing
- Adjustable Light Level Sensor
- UL and cUL Listed
- CEC Title 24 Certified
- FCC Part 15, Class B
- ASHRAE/IES 90.1

**Table 5.36: Ceiling Mount Occupancy Sensors**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLSCPS1000 | PIR occupancy sensor | 134.00 |
| SLSCUS2000 | Ultrasonic occupancy sensor | 197.00 |
| SLSCDS2000 | Dual Technology occupancy sensor | 231.00 |
| SLSCUS800 | 180 Degree Ultrasonic sensor | 129.54 |
| SLSCDS800 | 180 Degree Dual Technology Sensor (PIR and Ultrasonic Sensors combined) | 141.76 |

## Power Pack

For use with wall and ceiling mount sensors to supply power to sensor and switch the load when the sensor detects occupancy. May supply power to multiple sensors and auxiliary relays up to 100 mA nominal load.

- Input: 120/277 Vac 50/60 Hz
- Output: 24 Vdc/100 mA Nom.
- Relay rating: 20 A Max. Ballast Load at 120 Vac (20 A Max. at 277 V)
- UL cUL Listed

In Canada:

- Input: 347 Vac60 Hz
- Output: 24 Vdc/150 mA Nominal
- Relay rating: 15 A Max. Ballast Load at 347 Vac (15 A Max. at 5200 watts)
- UL cUL Listed

## Auxiliary Relay

For use with wall and ceiling mount sensors to turn lights on when an area is occupied or off when it is not. Requires power pack to supply input power to operate relay.

- Input: 24 Vdc/36 mA Nom.
- Relay rating: 20 A Max. Ballast Load at 120 Vac (20 A Max. at 277 V)
- UL cUL Listed

In Canada:

- Input: 24 Vdc/2 mA Nominal
- Relay rating: 15 A Max. Ballast Load at 347 Vac

**Table 5.37: Power Pack and Auxiliary Relay**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLSPP1277 | 120–277 Vac Power Pack | 46.50 |
| SLSSP24 | 120–277 Vac Auxiliary Relay | 36.00 |
| SLSPP1347 | 347 Vac Power Pack | 47.50 |
| SLSSP24347 | 347 Vac Auxiliary Relay | 36.00 |

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Indoor Occupancy Sensor

## Fixture Mounted Sensors and Controls

Schneider Electric extends its occupancy-sensing capability with a range of line voltage sensors based on passive infrared (PIR) technology. These sensors feature rugged housings that resist moisture and dust typical of manufacturing and shipping dock areas. Sensors incorporate universal power supply, relay and PIR element in a single housing ready for direct attachment to popular high-bay and low-bay luminaires.

Sensors are available either as stand alone sensor-per-fixture devices or equipped with connectors for low-cost plastic optical fiber cable. Plastic optical fiber connectivity between sensors allows implementation of control zones within aisles and work areas without back-pulling signaling wire in conduit. Each sensor acts as a network repeater, allowing 200 foot spacing between sensors. Plastic fiber can be cut and terminated without special tools or installer training.

- All sensors feature oversized Fresnel lenses and premium, low-noise pyroelectric elements for reliable PIR sensing at mounting heights up to 45 feet.
- Both area- and aisle-sensing Fresnel lenses ship with each sensor. Color-coded snap-out lenses can be swapped in the field.
- Switch packs open and close based on fiber optic commands from fiber sensors
- Universal power supply design adapts to 120–480 Vac, 50/60 Hz without jumpers or taps.
- Single-pole/close-on-motion relays sized for switching dry contact, magnetic HID or electronic ballast loads.
- Mounts directly to reflector with included pinch bracket or to ballast housing with " NPT threaded pipe nipple.
- Built-in manual override test switch and diagnostic LED to assist in installation. Diagnostic LED can be seen at distance to assist in walk test.
- Fifteen minute power ON warm-up timer assures rated lamp life even if the fiber network is broken.
- User adjustable sensitivity and delay time settings (0–15 minutes)

**Table 5.38: Table Line Voltage Occupancy Sensors**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLSPIP210 | Occupancy sensor, indoor PIR, no fiber connectivity | **141.00** |
| SLSPIP210CT | Occupancy sensor, indoor PIR, no fiber, cold temperature | **174.00** |
| SLSPIP210EB | Occupancy sensor, indoor PIR, no fiber, electronic ballast | **141.00** |
| SLSPIP210EBCT | Occupancy sensor, indoor PIR, no fiber, electronic ballast cold temperature | **174.00** |
| SLSPIP211 | Occupancy sensor, indoor PIR, one fiber input, one fiber output | **166.00** |
| SLSPIP212 | Occupancy sensor, indoor PIR, two fiber inputs | **166.00** |
| SLSPSP101 | Fiber optic switch pack, indoor, one fiber in, one fiber output | **141.00** |
| SLSPSP102 | Fiber optic switch pack, indoor, two fiber inputs | **141.00** |
| SLSPCW001 | Fixture-mounted counterweight for HID | **13.00** |
| SLSPIPBRACKET | Bracket for off-fixture mounting | **11.00** |

New!

Fluorescent High Bay Sensor

## Fluorescent High Bay Sensors

The SLSFPS1347 and SLSFPS1480 Occupancy Sensors are Class 1, fixture mounted, 360° high bay occupancy sensors. They are designed to operate directly with T5 and T8 fluorescent fixtures that use single or multiple electronic ballasts. Motion is detected using passive infrared technology (PIR). The operation voltage range for the SLSFPS1347 Sensor is 120–347 V. The SLSFPS1480 Sensor operates at 480 V.

### Features

- Includes a user-adjustable time dial to set the length of time the luminaires stay on from 15 seconds to 30 minutes.
- Includes a user-adjustable range dial to customize PIR sensitivity.
- Includes a user-adjustable time dial to set the length of time the luminaires stay on from 15 seconds to 30 minutes.
- Includes a user-adjustable range dial to customize PIR sensitivity.
- 90 degree rotating lens for a variety of aisle-way applications.
- High bay area, low bay area, and high bay aisle lenses provided.
- 18 minutes time-out preset for maximum energy to lamp life savings.

**Table 5.39: Specificiations**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLSFPS1347 | 120–347 Vac High bay Occupancy Sensor | **78.00** |
| SLSFPS1480 | 480 Vac High Bay Occupancy Sensor | **89.00** |

New!

UL 924 Emergency Control Device

## UL 924 Emergency Control Devices

Schneider Electric UL 924 Emergency Lighting Control Devices provide the ability to use and control standard fixtures for emergency and standard lighting. The use of UL 924 emergency lighting control device, under normal operating power the devices turn on and off emergency lighting along with standard lighting in an area. In the event of normal power loss the UL 924 emergency lighting control devices detect the power loss, and will automatically transfer emergency power to the fixtures. This provides emergency lighting through standard fixtures. Schneider Electric provides a wide selection of UL 924 emergency lighting control devices that work with occupancy and dimming based lighting control.

### Features

- Saves energy by controlling Emergency Lighting
- Multiple mounting methods
- Convenient test switch
- Works with occupancy or dimmer controls
- Visible Power LED
- Easy to install

**Table 5.40: Specificiations**

| Catalog No. | Catalog Description | $ Price |
|---|---|---|
| SLSEDC120 | UL 924 Emergency Lighting Dimmer Control 120 Vac | **700.00** |
| SLSEDC277 | UL 924 Emergency Lighting Dimmer Control 277 Vac | **700.00** |
| SLSEPMC120 | UL 924 Emergency Lighting Control Relay Panel Mount 120 Vac | **300.00** |
| SLSEPMC277 | UL 924 Emergency Lighting Control Relay Panel Mount 277 Vac | **300.00** |
| SLSERC1277 | UL 924 Emergency Lighting Control Relay 120/277 Vac | **300.00** |



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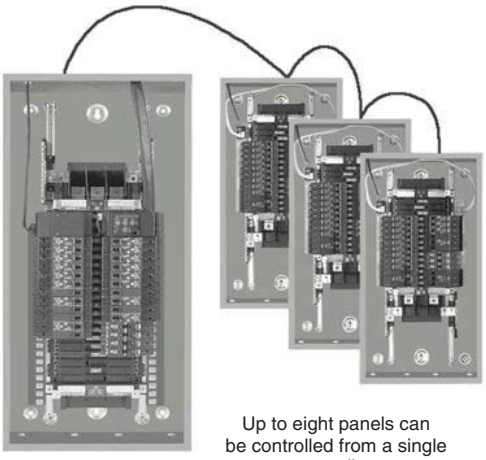
Powerlink available in column width design



Up to eight panels can be controlled from a single controller.

Powerlink G3 systems are ideally suited for controlling lighting and other loads in commercial, institutional, and industrial facilities. Such systems are typically used to lower utility cost by switching branch circuits OFF during non-occupied periods when lighting is unnecessary or during peak demand periods when a partial reduction in load can save significant money.

These systems utilize remotely operated circuit breakers to switch branch circuits ON and OFF via a time schedule or by an externally generated signal (typically a low voltage wall switch, photocell, access system, fire alarm or building management system). All Powerlink components mount inside a standard lighting panelboard to provide a compact, space saving installation.

Powerlink G3 systems feature a powerful microprocessor based controller that provides system intelligence for 168 remotely operated branch circuits. Master panelboards contain the control electronics, power supply, and control bus strips for up to 42 branch circuit breakers. Slave panels extend the capability of the system by allowing remotely operated branch circuit breakers to be operated from the master controller via a simple, 4-wire, sub-net connection.

All Powerlink G3 systems have the capability of being networked together and operated from a central workstation or via a remote modem connection. Powerlink software allows users to remotely configure the system, change time schedules, monitor circuit breaker or input status, and override zones and breakers.

## BACnet Capability

The Building Automation and Control network (BACnet) communication protocol is incorporated into the Powerlink™ G3 controller design. The addition of the BACnet protocol allows Powerlink panels to be easily integrated into a Building Automation System (BAS) employing this open communication standard without the need for communication bridges or gateways.

## Controller Models

The following Powerlink G3 controller models support 'native' BACnet communications:

- NF2000G3 — Ethernet communications, shared remote inputs, network time synchronization
- NF3000G3 — Email upon alarm, onboard web pages for status/control/configuration
- NF3000G3C — C-Bus communications (ability to interface with a Clipsal™ lighting control network)

## Factory Assembled System

The following factory engineered pricing procedure may be used to price either 240 V or 480Y/277 V Powerlink G3 systems:

- Select system type and interior size from Table 5.43 on 5-24. All Powerlink G3 panels are furnished with either 1 or 2 control bus strips.
- Select panelboard base price from Table 5.44. All Powerlink G3 panels use NF type panelboard interiors, boxes, and trims and are suitable for either 240 V or 480Y/277 V systems.
- Select branch circuit breaker requirements from Table 5.45. Powerlink G3 panels can accommodate both ECB-G3 remotely operated circuit breakers and EDB, EGB and EJB standard branch circuit breakers.
- Refer to panelboard section for additional panelboard accessories.
- For complete price, order by description.
- Apply appropriate discount schedule.

## 240 V Factory Assembled System Example:

500 level system with 225 A MLO panelboard rated for 208Y/120 V, 3Ø4W, 10kAIR, Type 1, surface mount with ground bar and (12) 20 A 1-pole bolt-on remote operated circuit breakers.

**Table 5.41:**

| Item | Page No. | $ Price |
|---|---|---|
| System Type: 500 controller with 12 ckt bus | 5-24 | **5074.00** |
| Panel type: 250 A MLO | 5-26 | **864.00** |
| Branch circuit breakers: (12) 20 A 1-pole | 5-26 | **2628.00** |
| Ground bar | 5-26 | **28.50** |
| **Total price** | | **8594.50** |

**Table 5.42:**

| Feature | System Level | | | |
|---|---|---|---|---|
| | 500 | 1000 | 2000 | 3000 |
| **Inputs** | | | | |
| 2 - wire | 8 | 16 | 16 | 16 |
| 2 - wire with status feedback | 8 | 8 | 8 | 8 |
| 3 - wire | 8 | 8 | 8 | 8 |
| **Time Scheduler** | | | | |
| 7 day, each configurable | — | 16 | 16 | 16 |
| Daily on/off periods | — | 24 | 24 | 24 |
| Holiday events | — | 32 | 32 | 32 |
| Automatic daylight savings | — | X | X | X |
| Sunrise/sunset tracking | — | X | X | X |
| **Networking** | | | | |
| Modbus™ ASCII/RTU | X | X | X | X |
| Modbus TCP | — | — | X | X |
| Johnson Controls N2 | — | X▲ | — | — |
| DMX | — | X | X | X |
| C-Bus | — | — | — | X■ |
| BACnet MSTP/IP | — | — | X | X |

▲ Specify N2 suffix
■ Specify C suffix

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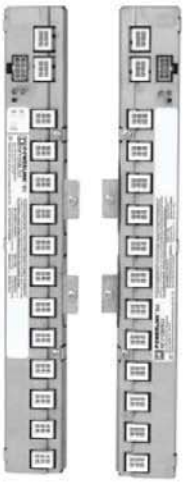
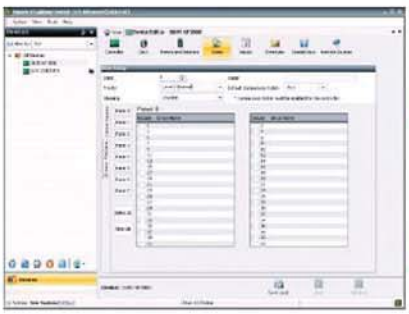
ECB-G3 Circuit Breaker



Control Bus

Power Supply

NF3000G3 Controller



Powerlink Software

### Table 5.43: ECB-G3 Circuit Breakers Bolt-On Remotely Operated

| Ampere Rating | One-Pole 27 7 Vac – 14,000 AIR 120 Vac – 65,000 AIR | | Two-Pole 480Y/277 Vac – 14,000 AIR 120/240 Vac – 65,000 AIR 240 Vac – 14,000 AIR Ground B Phase | | Three-Pole 480Y/277 Vac – 14,000 AIR 240 Vac – 42,000 AIR | |
|---|---|---|---|---|---|---|
| | Catalog Number | $ Price | Catalog Number | $ Price | Catalog Number | $ Price |
| 15<br>20<br>30 | ECB14015G3♦<br>ECB14020G3♦<br>ECB14030G3 | 237.00 | ECB24015G3♦<br>ECB24020G3♦<br>ECB24030G3 | 558.00 | ECB34015G3♦<br>ECB34020G3♦<br>ECB32030G3★ | 890.00 |

### Table 5.44: ECB-G3 Circuit Breakers for Emergency Lighting (requires 2-pole spaces)

| Ampere Rating | One-Pole 480 Y/277 – 14,000 AIR 240 V – 65,000 AIR | |
|---|---|---|
| | Catalog No. | $ Price |
| 20 | ECB142020G3EL | 558.00 |

Note: All are listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers. UL listed as HID rated for use with high intensity discharge lighting systems. (1) #12–8 Al or (1) #10–8 Cu. Suitable for use with 75°C conductors.

♦ UL listed as SWD (switching duty) rated.
★ Rated for 240 Vac only – 42,000 AIR

### Table 5.45: Control Bus

| Max. No. of Control Circuits | Required Interior Size | Panel Orientation | Catalog No. | $ Price |
|---|---|---|---|---|
| 12<br>12 | 30<br>30 | Left<br>Right | NF12SBLG3<br>NF12SBRG3 | 851.00 |
| 18<br>18 | 42<br>42 | Left<br>Right | NF18SBLG3<br>NF18SBRG3 | 1065.00 |
| 21<br>21 | 54<br>54 | Left<br>Right | NF21SBLG3<br>NF21SBRG3 | 1163.00 |

### Table 5.46: Power Supply

| Voltage | Primary Source | Catalog No. | $ Price |
|---|---|---|---|
| 120 V<br>240 V<br>277 V | Panel Bus<br>Panel Bus<br>Panel Bus | NF120PSG3<br>NF240PSG3<br>NF277PSG3 | 791.00 |
| 120 V<br>240 V<br>277 V | External<br>External<br>External | NF120PSG3L<br>NF240PSG3L<br>NF277PSG3L | 899.00 |

### Table 5.47: Controller

| Description | Catalog No. | $ Price |
|---|---|---|
| 500 | NF500G3 | 1946.00 |
| 1000 | NF1000G3 | 3968.00 |
| 1000N2 (N2 protocol) | NF1000G3N2 | 8288.00 |
| 2000 | NF2000G3 | 7107.00 |
| 3000 | NF3000G3 | 9741.00 |
| 3000C (C-bus | NF3000G3C | 9741.00 |

### Table 5.48: Remote Source Controller (for additional inputs)—

Includes NEMA 1 enclosure, source controller and power supply

| Voltage | Catalog No. | $ Price |
|---|---|---|
| 120 V | RSC16G3120 | 3045.00 |
| 240 V | RSC16G3240 | 3045.00 |
| 277 V | RSC16G3277 | 3045.00 |

### Table 5.49: Cables & Accessories

| Description | Catalog No. | $ Price |
|---|---|---|
| **Control bus cables** | | |
| Harness standard panel | NF2HG3 | 89.00 |
| **Sub-net accessories & cables** | | |
| Slave address selector▼ | NFSELG3 | 173.00 |
| 6' sub-net cable | NFSN06 | 75.00 |
| 10' sub-net cable | NFSN10 | 105.00 |
| 25' sub-net cable | NFSN25 | 234.00 |
| 50' sub-net cable | NFSN50 | 405.00 |
| **Serial cables** | | |
| Controller front panel cable | NFFPCG3 | 102.00 |

▼ One slave address selector required for each slave panel.

### Table 5.50: Miscellaneous Hardware

| Description | Catalog No. | $ Price |
|---|---|---|
| Circuit Breaker Handle Padlock (Lock On or Off) | HPAFD△ | 25.50 |
| Fixed Barrier | NFASBKG3 | 177.00 |
| Remote Mounting Adapter | NFADAPTERG3 | 102.00 |

△ DE2 Discount

### Table 5.51: Software

| Description | Catalog No. | $ Price |
|---|---|---|
| LCSAdvanced Software | LCSADVANCED | 4000.00 |
| LCSBasic Software | LCSBasic | 1500.00 |
| Powerlink Controller Software□ | PCS101 | 1523.00 |

□ N2 supported controllers. All other controllers use LCSAdvanced or LCSBasic.



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Remote Mount Controller

Device Power Supply

Powerlink Device Router

**Table 5.52: Remote Mount Controller (for externally mounted electronics Includes NEMA 1 enclosure, controller, and power supply**

| Voltage | Catalog No. | Controller Type | $ Price |
|---|---|---|---|
| 120 V | RMC500G3120 | NF500G3 | 4272.00 |
| 240 V | RMC500G3240 | NF500G3 | 4272.00 |
| 277 V | RMC500G3277 | NF500G3 | 4272.00 |
| 120 V | RMC1000N2G3120 | NF1000N2G3 | 10615.00 |
| 240 V | RMC1000N2G3240 | NF1000N2G3 | 10615.00 |
| 277 V | RMC1000N2G3277 | NF1000N2G3 | 10615.00 |
| 120 V | RMC1000G3120 | NF1000G3 | 6990.00 |
| 240 V | RMC1000G3240 | NF1000G3 | 6990.00 |
| 277 V | RMC1000G3277 | NF1000G3 | 6990.00 |
| 120 V | RMC2000G3120 | NF2000G3 | 9860.00 |
| 240 V | RMC2000G3240 | NF2000G3 | 9860.00 |
| 277 V | RMC2000G3277 | NF2000G3 | 9860.00 |
| 120 V | RMC3000G3120 | NF3000G3 | 12680.00 |
| 240 V | RMC3000G3240 | NF3000G3 | 12680.00 |
| 277 V | RMC3000G3277 | NF3000G3 | 12680.00 |
| 120 V | RMC3000G3C120 | NF3000G3C | 12680.00 |
| 240 V | RMC3000G3C240 | NF3000G3C | 12680.00 |
| 277 V | RMC3000G3C277 | NF3000G3C | 12680.00 |

## Device Power Supply

The Powerlink Device Power Supply is used to distribute power on a C-Bus™ network. Placed at critical points on the network, device power supplies will provide the current necessary for operating a variety of passive C-Bus devices. A Powerlink Device Power Supply consists of an 8M enclosure containing one or two 4M Power Supplies (120 or 277 Vac).

- Surface-mount NEMA 1 enclosure, with cover
- Unit and C-Bus LEDs indicate the status of the line voltage and the network
- Sources up to 700 mA (dual power supplies) to the C-Bus network
- 120 V or 277 Vac models available
- Dimensions: 8.9 in. (226mm) wide x 3.8 in. (97mm) deep x 12.57 (319mm) tall

## Device Router

The Powerlink Device Router allows the exchange of data between a Powerlink NF3000G3C controller and C-Bus devices. This device router receives data from C-Bus input devices such as keypads and touchscreens and sends data to the Powerlink system and isa versa. The device router consists of a C-Bus 8M enclosure containing a C-Bus PC Interface and a C-Bus Power Supply (120 Vac or 277 Vac). Communication between the device router and the NF3000G3C controller is made with the included 50-foot serial cable.

- Surface-mount NEMA 1 enclosure, with cover
- Unit, Unit/Comms, and C-Bus LEDs indicate the status of data transmission and power to the unit and the network
- System network clock for synchronizing communications data
- Network power source, supplying up to 350 mA
- 120 Vac or 277 Vac models available
- Dimensions: 8.9 in. (226mm) wide x 3.8 in. (97mm) deep x 12.57 in. (319mm) tall

**Table 5.53: Powerlink Device Routers▲**

| Description | Catalog No. | $ Price |
|---|---|---|
| 120 V Device Router | NFDR120G3C■ | 1632.00 |
| 277 V Device Router | NFDR277G3C■ | 1632.00 |

▲ Required for interface to Clipsal units.
■ DE-8 Discount.

**Table 5.54: Powerlink Device Power Supplies♦**

| Description | Catalog No. | $ Price |
|---|---|---|
| Single Supply 120 V | NFDP1120G3C★ | 900.00 |
| Dual Supply 120 V | NFDP2120G3C★ | 1650.00 |
| Single Supply 277 V | NFDP1277G3C★ | 900.00 |
| Dual Supply 277 V | NFDP2277G3C★ | 1650.00 |
| Filler Plate | SLC4CSF8 | 27.00 |

♦ Extends C-Bus power to Clipsal devices.
★ DE-8 Discount.

## Powerlink Network Accessories

**Table 5.55: Powerlink Network Accessories**

| Description | Catalog No. | $ Price |
|---|---|---|
| RS232/485 Converter | 6382RS485G3KIT | 526.50 |

**Table 5.56: Powerlink Remote Modem Support▼**

| Description | Catalog No. | $ Price |
|---|---|---|
| Modem Kit (for G3 Controllers) | 6382G3MODEM | 876.00 |

▼ Requires 2000 and 3000 controller and either Analog or Ethernet modem connection to each master panel.

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# G3 NF Panelboards 240 V and 480 Y/277 V Factory Assembled Systems

## Maximum Voltage 480 Y/277 Vac

### Table 5.57: Powerlink G3 System Price

| List System Type | 30 ckt Interior | | 42 ckt Interior | | 54 ckt Interior | |
|---|---|---|---|---|---|---|
| | 12 ckt bus | 24 ckt bus | 18 ckt bus | 36 ckt bus | 21 ckt bus | 42 ckt bus |
| Slave Panel | 1650.00 | 3450.00 | 2025.00 | 4200.00 | 2370.00 | 4890.00 |
| NF500G3 | 6753.00 | 8553.00 | 7128.00 | 9303.00 | 7473.00 | 10143.00 |
| NF1000G3★ | 10728.00 | 12528.00 | 11103.00 | 13278.00 | 11448.00 | 14118.00 |
| NF2000G3 | 17298.00 | 19098.00 | 17673.00 | 19848.00 | 18018.00 | 20688.00 |
| NF3000G3 | 21072.00 | 22872.00 | 21447.00 | 23622.00 | 21792.00 | 24462.00 |

***NOTE:*** *Powerlink EM option BCPM list price adder.*

### Table 5.58: Panelboard Base Price (including solid neutral)

| Mains Rating | Main Lugs | | Main Circuit Breaker (Circuit Breaker Interrupting Rating—6-2 through 6-8)▲▼ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Standard IC | | | HIC | | | Extra HIC | | | I-Limiter™ | | |
| | 2-pole | 3-pole | Circuit Bkr. | 2-pole | 3-pole | Circuit Bkr. | 2-pole | 3-pole | Circuit Bkr. | 2-pole | 3-pole | Circuit Bkr. | 2-pole | 3-pole |
| 100 A | — | — | ED■ | 2454.00 | 2823.00 | EG■ | 3150.00 | 3624.00 | HJ | 4872.00 | 5397.00 | FI | 6375.00 | 7326.00 |
| 125 A | 1269.00 | 1458.00 | ED■ | 5058.00 | 5643.00 | EG■ | 6486.00 | 7464.00 | — | — | — | — | — | — |
| 150 A | — | — | HD | 4905.00 | 5430.00 | HG | 6072.00 | 6597.00 | HJ | 6105.00 | 6630.00 | — | — | — |
| 225 A | — | — | JD | 6180.00 | 6570.00 | JG | 7605.00 | 8100.00 | JJ | 9930.00 | 10995.00 | KI | 10899.00 | 12528.00 |
| 250 A | 1503.00 | 1728.00 | JD | 6750.00 | 7710.00 | JG | 8985.00 | 9270.00 | JJ | 10785.00 | 12675.00 | KI | 13731.00 | 15783.00 |
| 400 A | 1989.00 | 2286.00 | LA | 7995.00 | 9189.00 | LH | 11568.00 | 13296.00 | LC | 12759.00 | 14664.00 | LI | 14025.00 | 16119.00 |
| 600 A♦ | 3549.00 | 3933.00 | — | — | — | — | — | — | LC | 14331.00 | 16326.00 | LI | 20460.00 | 23517.00 |
| 800 A♦ | 5325.00 | 5850.00 | — | — | — | — | — | — | — | — | — | — | — | — |

▲ HL and JL frame circuit breakers are also available as main circuit breakers.
■ Backfed Main Circuit Breaker—54 circuit only.
♦ Copper Bus Only.
★ For N2 protocol, add **$3819.**
▼ Contact your nearest Square D/Schneider Electric sales office for MICROLOGIC™ trip main circuit breakers

### Table 5.59: Branch Circuit Breaker – Price Per Circuit Breaker

| Powerlink G3—ECB Bolt-On 65 kA AIR@240 Vac, 14 kA AIR@480 Y/277 | | | | | Standard Breakers—EDB Bolt-On 18 kA AIR 1-pole, 25 kA AIR 2 & 3-pole @ 240 V, 18 kA AIR@480 Y/277 | | | | | Standard Breakers HIC—EGB Bolt-On 65 kA AIR@240 Vac, 35 kA AIR@480 Y/277 | | | | | Standard Breakers Extra HIC—EJB Bolt-On 100 kA AIR@240 Vac, 65 kA AIR@480 Y/277 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Voltage | Ampere Rating | 1-pole | 2-pole | 3-pole | Voltage | Ampere Rating | 1-pole | 2-pole | 3-pole | Voltage | Ampere Rating | 1-pole | 2-pole | 3-pole | Voltage | Ampere Rating | 1-pole | 2-pole | 3-pole |
| 240 Vac | 15–20 | 438. | 1215. | 1929. | 480Y/ 277 Vac | 15–60 | 288. | 663. | 1122. | 480Y/ 277 Vac | 15–60 | 486. | 1119. | 1896. | 480Y/ 277 Vac | 15–60 | 777. | 1767. | 3036. |
| | 30 | 438. | 1215. | 1929. | | 70 | 513. | 1308. | 1569. | | 70 | 867. | 2211. | 2565. | | 70 | 1386. | 3540. | 4245. |
| 480Y/277 Vac | 15–20 | 438. | 1215. | 1929. | | 80–100 | — | 1308. | 1569. | | 80–100 | — | 2211. | 2655. | | 80–100 | — | 3540. | 4245. |
| | 30 | 438. | 1215. | — | | 110–125 | — | 3825. | 4845. | | 110–125 | — | 6171. | 7131. | | 110–125 | — | 7950. | 9450. |
| Space Only | | 63. | 126. | 189. | | Space Only | 63. | 126. | 189. | | Space Only | 63. | 126. | 189. | | Space Only | 63. | 126. | 189. |

Note: All EC, ED, EG and EJ branch circuit breakers are UL Listed as HACR type.

## Sub-Feed Circuit Breaker

- Available on 1Ø or 3Ø, 125–800 A main lugs or 125–600 A main circuit breaker interiors
- One sub-feed JD, JG, JJ or JL circuit breaker per 250 A panelboard
- Two sub-feed JD, JG, JJ or JL circuit breakers per 400 A panelboard△

△ LC and JJ may not be combined.

### Table 5.60: Sub-Feed Circuit Breaker (150–400 A)

| No. of Poles | JD | JG | JJ□ | JL | LA | LH | LC□ | Space |
|---|---|---|---|---|---|---|---|---|
| 2 | 2265.00 | 3165.00 | 3844.50 | 4230.00 | 2985.00 | 4150.50 | 6475.50 | 619.50 |
| 3 | 2527.50 | 3825.00 | 4665.00 | 5296.50 | 3687.00 | 4882.50 | 7617.00 | 619.50 |

□ JJ and LC sub-feed circuit breakers cannot be used together.

### Table 5.61: Sub-Feed Breaker Cabinet Data

| Max. No. of Branch Spaces (Does not include sub-feed breaker spaces) | Box Height (20" W x 5.75" D) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 250 A | | 400 A LA/LH | | 600 A | | 800 A |
| | Main Lugs | Main Circuit Breaker | Main Lugs | Main Circuit Breaker | Main Lugs▽ | Main Circuit Breaker ☆ | Main Lugs◒ |
| 30 | 56 | 68 | 68 | 80 | 68 | 80◊ | 68 |
| 42 | 62 | 74 | 74 | 86 | 74 | 86◊ | 74 |
| 54 | 68 | 80 | 80 | 92 | 80 | 92◊ | 80 |

◊ Dimensions also for 400 A LC/LI main circuit breaker panels.
☆ 600 A main lug panelboards require an 8" deep, 26" wide box.
▽ 600 A main lug panelboards require an 8.75" deep box.
◒ 800 A main lug panelboards require an 8.75" deep, 26" wide box.

To obtain pricing for the following Special Features please refer to the Supplemental Digest.

- PowerLogic™ metering
- Customer equipment space
- Increased box depth
- Box extensions top, bottom and side
- Drip hoods
- Non-standard paint
- NEMA 1 gasketed
- NEMA 4 Stainless steel enclosure
- NEMA 4X Fiberglass enclosure (NQOD and NF)
- Stainless steel trim front (NQOD, NF and I-LINE)
- Padlockable hasp
- Special locks (Corbin, Yale, Best)
- Equal height boxes
- Common trip to cover two equal height boxes
- Panelboard skirthides conduits feeding a panelboard
- Panelboard wireway for terminating conduit in wireway endwall
- Panelboard interiors and special fronts to fit existing boxes



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Powerlink Energy Management (EM) Lighting Control System

The Powerlink Energy Management (EM) Lighting Control System incorporates the same features found in the Powerlink G3 3000 level system, in addition to integral branch circuit and optional main metering for energy monitoring and verification of the lighting system. Integral metering is accomplished using the PowerLogic™ Branch Circuit Power Meter (BCPM), which is a highly accurate, full-featured multi-branch circuit power meter that provides unrivalled low-current monitoring.

The Powerlink G3 system reduces electrical energy consumption associated with lighting and other loads by automatically switching loads off during non-occupied periods. The Powerlink G3 system is often ideal for reducing th epeak demand by switching unnecessary lights off in response to an automated response signal or when high time-of-day energy tariffs occur.

## Features

- Integral individual and optional mains metering to provide utmost flexibility in assurng a sustainable metering and verification program
- Monitors current, voltage, energy consumption, demand, and power factor for complete energy profiling
- Accumulated metering information transmitted via Modbus communications interface
- Data updates occurring within seconds to provide timely preventative maintenance information
- Optional EGX web interface for storing and reporting data via standard web browser (suggested for applications without Energy Management System [EMS] software)
- Alarm indication when parameters approach user-configured thresholds
- 16 hard-wired inputs available for connection to devices with physical dry-contacts
- 64 communication inputs available for network connection
- 16 independent time schedules, each can be configured into 24 distinct periods
- 7-day repeating clock with changeable automatic daylight savings time
- Automatic sunrise/sunset tracking with offsets
- 32 special event periods
- 32 remote sources for sharing input status, time schedules, or zone status between controllers
- Full custom logic capabilities, including full Boolean functions and synchronization services
- RS232 and RS485
- Serial communications using Modbus ASCII/RTU, BACnet MS/TP and DMX512 protocols (metering Modbus only)
- Ethernet 10BaseT communications using Modbus TCP and BACnet/IP protocols

**Table 5.62:**

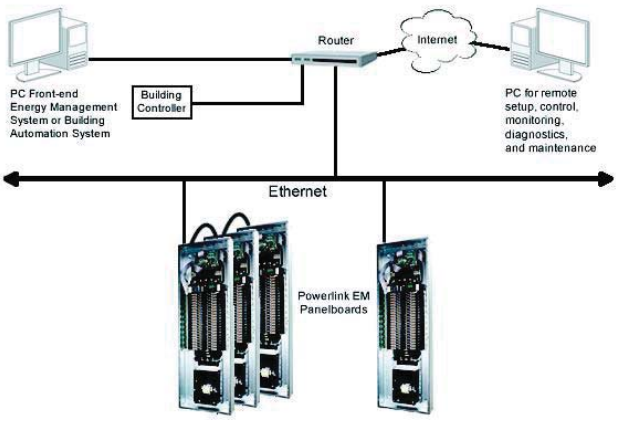
| **Characteristics** | |
|---|---|
| Operating Temperature | -5° to 40°C (23° to 104°F) (95%RH, non-condensing) |
| Storage Temperature | -20° to 85°C (-4° to 185°F) (<95%RH, non-condensing) |

**Regulatory/Standards Compliance**

- UL Listed 916, Energy Management Equip
- FCC Part 15, Class A
- NEC Class 1 and Class 2 Control Circuits
- ESD Immunity: IEC 1000, level 4
- RF Susceptibility: IEC 1000, level 3
- Electrical Fast Transient Susceptibility: IEC 1000, level 3
- Electrical Surge Susceptibility: IEC 1000, level 4 (power line)
- Electrical Fast Transient Susceptibility: IEC 1000, level 3 (interconnection lines)

| **BCPM Specifications** | |
|---|---|
| **General** | |
| Control Power | 90–277 Vac |
| Frequency | 50/60 Hz |
| Sampling Frequency | 2560 Hz |
| Update Rate | 1.6 seconds per panelboard |
| Overload Capability | 10 kAIC |
| Ribbon Cable Support | Up to 20 ft. |
| Operating Temperature | 0° to 60°C (32°C to 122°F) (<95%RH, non-condensing) |
| Storage Temperature | -40° to 70°C (-40° to 158°F) |
| **Accurancy** | |
| Current Monitoring | 0.25 A to 100A: 3% of reading from 0.25 A to 2 A; 2% of reading from 2 A to 100 A |
| Auxiliary Inputs | 2% of reading from 1% to 10% of rated current; 1% of reading from 10% to 100% of rated current (0 to 0.333 Vac) |
| Voltage Input | 90–277 Vac; 1% of reading from 90–277 L-N (models BCPMA and BCPMB only) |
| Power | 4% of reading from 0.25 A to 2 A; 3% of reading 2 A to 100 A▲ (models BCPMA and BCPM only) |
| **Network Communications** | |
| Serial | Modbus™ RTU |
| Ethernet | TCP/IP |

▲ Recommended for application where EMS software monitoring is not provided.

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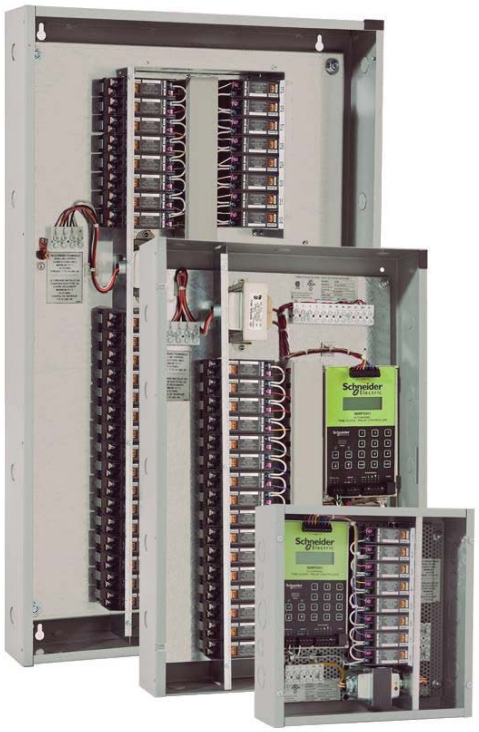

Relay Panels Family

Schneider Electric LPS Lighting Control Relay Panels offer a practical design for meeting energy codes requirements in smaller commercial spaces. Panels are available pre-assembled with 8, 16, or 32 relays. They consist of relays, time scheduler, panel controller, power supply, and NEMA 1 cabinet and cover.

Schneider Electric LPS Lighting Control Relay Panels offer a practical design for meeting energy codes requirements in smaller commercial spaces. Panels are available pre-assembled with 8, 16, or 32 relays. They consist of relays, time scheduler, panel controller, power supply, and NEMA 1 cabinet and cover.

## LPS-Standalone Relay Panel

LPS reduces energy use by automatically shutting off lights in response to a scheduled time event from its built-in time controller or in response to an external control device, such as a keypad switch, occupancy sensor, or photocell. These panels are ideal for use in smaller commercial applications, such as small strip retail and office spaces, where a centralized building management system is not practical.

## Features

- Stand-alone lighting control system meets ASHRAE90.1 and CA Title 24
- Individual heavy duty, mechanically latching, 20A relays
- Built-in time controller supports 8 independent zones
- Time retained during power outages for up to 30 days; nonvolatile program memory
- Two universal switch inputs
- Individual relay overrides can directly control each relay
- Easy to program interface
- 2-wire relay used for monitoring and control
- Manual operation lever with ON/OFF indicator built-in for easy maintenance
- Screw terminals on load and control sides
- UL 916 listed
- Full 365-day, 7-day repeating clock with event priorities
- Multi-group relay assignment
- Inegral power supply (120 / 277 / 347 Vac)
- Standard sizes: (LPS) 8, 16, 32; (LPB/LPL) 8, 16, 32, 48, or 64

## LPB Additional Features

- Application controller with the BACnet protocol
- Heavy duty plug-in relays and electronic cards
- Movable protection plate between high and low voltage sections

## LPL Additional Features

- Application controller with the LonWorks protocol

**Available options include:**

- Multi-voltage separator (120/277/347 VAC)

**Software provides a graphic interface that is simple and intuitive, providing the following:**

- System configuration, programming, and operation: Scheduler and Data logger

## LPB-Bacnet Protocol

The Schneider Electric LPB Lighting Control Relay Panel with Native BACnet Protocol offers cost effective and code compliant lighting control. Panels are pre-packaged for ease of ordering and installation. Standard configurations are available with 8, 16, 32, 48, or 64 relays.

Relays come in a heavy duty, high intensity discharge (HID) version that carries up to 20A full load and are rated for over 120,000 mechanical operations. Heavy duty relays are recommended for high inrush loads or where higher short circuit current ratings are required.

LPBs are designed to operate on a BACnet network where control intelligence is provided through a BACnet building automation system. These panels are ideal for smaller commercial or retail spaces where a low cost way to achieve automatic shut-off is required. These simple to install and commission panels include full feature schedule control. Switch overrides and photocells are easily added for complete control.

## LPL-LonWorks Protocol

The Schneider Electric LPL Lighting Control Relay Panel with LonWorks® Protocol offers cost effective and code compliant lighting control. The LPL is pre-packaged for ease of ordering and installation. Standard configurations are available with 8, 16, 32, or 64 relays.

Whether from a stand-alone system, a soft-wired networked panels system, or a fully programmable network system, the LPL offers engineers and facilities managers all the flexibility they need to meet their lighting control requirements. LPL software scheduling and event programming capabilities easily support all common sequences encountered in lighting control.

The LPL was developed using open LonWorks technology from the Echelon® Corporation. By adopting LonTalk® communication protocols and incorporating Neuron® microprocessors, the LPL panel complies with LonMark(tm) Interoperability Guidelines and is ready to interoperate in highly functional, flexible, and open building systems.

The Schneider Electric Lighting Control Relay Switches provide manual ON/OFF operation of lighting in zones. The switches are equipped with a switch based device using reversible polarity pulse technology. The switches are fully compatible with Lighting Control Relay Panels by Schneider Electric.



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## Key Switch (SERPKWS)

- Wall mountable to any standard wall box
- Key operated (ON—turn right; OFF—turn left)
- Operates up to 4 relays per switch
- 6 switches per relay
- 3 Amp, 24 Vdc, Reversible polarity Impulse

## Rocker Switch (SERPRWS)

- Wall mountable to any standard wall box (1-gang requires mounting bracket (SERPWSMB)
- LED ON/OFF indication
- Operates up to 8 relays per switch
- 6 LED switches per relay
- Optional filler plate (SERPWSFP)
- 3 Amp, 24 Vdc, Reversible polarity Impulse

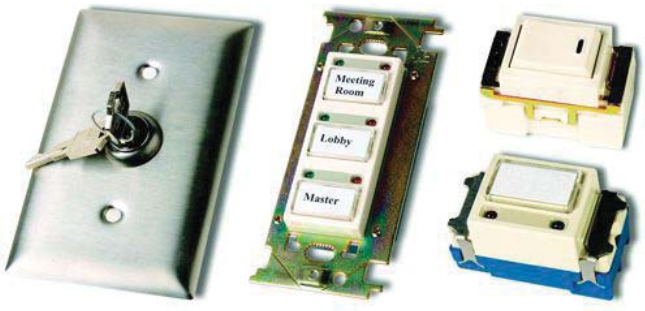
## Push Button Switch (SERPWS) (Individual switch)

- Wall mountable to any standard wall box (1-gang requires mounting bracket SERPWSMB; 3-gang comes ready to mount)
- Switch input from common terminal
- LED ON/OFF indication
- Clear plastic labeling cap
- Operates up to 4 relays per switch
- 6 LED switches per relay
- Optional filler plate (SERPWSFP) may be required
- 1.5 Amp, 24 Vdc, Reversible polarity Impulse

## Push Button Switch (SERPWS) (Assembled switch)

- Factory assembled
- Includes mounting bracket, switch(es), cover plate
- LED ON/OFF indication
- Clear plastic labeling cap
- Operates up to 4 relays per switch
- 6 LED switches per relay

***NOTE:*** *Refer to 1290HO1101 Relay Switches handout for cover plate dimension*




Relay Switches
SERPKWS, SERPWS, SERPRWS, SERPWS

**Table 5.63: Relay Panels, Switches and Plates**

| Cat. No. | Description | Price |
|---|---|---|
| SERP8NHS | SE SERIES RELAY PANEL 8 NON-HID RELAYS | 1556.13 |
| SERP16NHS | SE SERIES RELAY PANEL 16 NON-HID RELAYS | 3334.58 |
| SERP32NHS | SE SERIES RELAY PANEL 32 NON-HID RELAYS | 6545.67 |
| SERP8HS | SE SERIES RELAY PANEL 8 HID RELAYS | 2726.58 |
| SERP16HS | SE SERIES RELAY PANEL 16 HID RELAYS | 4829.59 |
| SERP32HS | SE SERIES RELAY PANEL 32 HID RELAYS | 8385.48 |
| SERPB8HS | SE SERIES BACnet RELAY PANEL 8 HID RELAYS | 4559.36 |
| SERPB16HS | SE SERIES BACnet RELAY PANEL 16 HID RELAYS | 5322.60 |
| SERPB32HS | SE SERIES BACnet RELAY PANEL 32 HID RELAYS | 9521.71 |
| SERPB48HS | SE SERIES BACnet RELAY PANEL 48 HID RELAYS | 13078.59 |
| SERPB64HS | SE SERIES BACnet RELAY PANEL 64 HID RELAYS | 16684.88 |
| SERPL8HS | SE SERIES LonWorks RELAY PANEL 8 HID RELAYS | 3555.23 |
| SERPL16HS | SE SERIES LonWorks RELAY PANEL 16 HID RELAYS | 4897.76 |
| SERPL32HS | SE SERIES LonWorks RELAY PANEL 32 HID RELAYS | 8785.62 |
| SERPL48HS | SE SERIES LonWorks RELAY PANEL 48 HID RELAYS | 11932.49 |
| SERPL64HS | SE SERIES LonWorks RELAY PANEL 64 HID RELAYS | 15800.60 |
| SERPFLC16 | SE SERIES FLUSH COVER FOR 16 RELAY PANELS | 239.00 |
| SERPFLC32 | SE SERIES FLUSH COVER FOR 32 RELAY PANELS | 325.00 |
| SERPFLC48 | SE SERIES FLUSH COVER FOR 48 AND 64 RELAY PANELS | 415.00 |
| SERPR1 | SE SERIES 1 POLE 20A HID RELAY 120–347 V | 255.95 |
| SERPR2 | SE SERIES 2 POLE 20A HID RELAY 208–480 V | 389.00 |
| SERPTC411 | SE SERIES RELAY PANEL TIME CLOCK CONTROLLER MODULE | 1037.42 |
| SERPRC401 | SE SERIES RELAY PANEL SEQUENCER MODULE | 1025.08 |
| SERPBC601 | SE SERIES RELAY PANEL BACnet Controller | 1051.16 |
| SERPTC811 | SE SERIES RELAY PANEL TIME CLOCK CONTROLLER LonWorks MODULE | 730.00 |
| SERPLIC | SE SERIES RELAY PANEL INPUT CONTROLLER LonWorks MODULE | 645.00 |
| SERPLOC | SE SERIES RELAY PANEL OUTPUT CONTROLLER LonWorks MODULE | 957.00 |
| SERPLUSB | SE SERIES FT—10 NETWORK INTERFACE USB | 950.00 |
| SERPLS | SE SERIES Lon SOFTWARE | 1050.00 |
| SERPPBWS | SE SERIES RELAY PANEL WALL SWITCH WITH BRACKET | 85.90 |
| SERPKWS | SE SERIES RELAY PANEL LOW VOLTAGE KEY OPERATED SWITCH | 85.57 |
| SERPRWS | SE SERIES RELAY PANEL LOW VOLTAGE ROCKER WALL SWITCH | 50.40 |
| SERPWSMB | SE SERIES RELAY PANEL WALL SWITCH MOUNTING BRACKET | 9.69 |
| SERPWS1G1B | SE SERIES RELAY PANEL WALL SWITCH 1 GANG 1 BUTTON | 95.57 |
| SERPWS1G2B | SE SERIES RELAY PANEL WALL SWITCH 1 GANG 2 BUTTON | 149.88 |
| SERPWS1G3B | SE SERIES RELAY PANEL WALL SWITCH 1 GANG 3 BUTTON | 194.29 |
| SERPWS2G4B | SE SERIES RELAY PANEL WALL SWITCH 2 GANG 4 BUTTON | 259.14 |
| SERPWS2G6B | SE SERIES RELAY PANEL WALL SWITCH 2 GANG 6 BUTTON | 367.97 |
| SERPWS3G9B | SE SERIES RELAY PANEL WALL SWITCH 3 GANG 9 BUTTON | 531.64 |
| SERPWS3G12B | SE SERIES RELAY PANEL WALL SWITCH 4 GANG 12 BUTTON | 695.31 |
| SERPWS5G15B | SE SERIES RELAY PANEL WALL SWITCH 5 GANG 15 BUTTON | 859.42 |
| SERPWS6G18B | SE SERIES RELAY PANEL WALL SWITCH 6 GANG 18 BUTTON | 1003.53 |
| SERPWSFP | SE SERIES RELAY PANEL WALL SWITCH FILER PLATE | 8.07 |
| SERPWP1G1B | SE SERIES RELAY PANEL WALL PLATE 1 GANG 1 BUTTON | 30.00 |
| SERPWP1G2B | SE SERIES RELAY PANEL WALL PLATE 1 GANG 2 BUTTON | 30.00 |
| SERPWP1G3B | SE SERIES RELAY PANEL WALL PLATE 1 GANG 3 BUTTON | 30.00 |
| SERPWP2G4B | SE SERIES RELAY PANEL WALL PLATE 2 GANG 4 BUTTON | 45.00 |
| SERPWP2G6B | SE SERIES RELAY PANEL WALL PLATE 2 GANG 6 BUTTON | 45.00 |
| SERPWP3G9B | SE SERIES RELAY PANEL WALL PLATE 3 GANG 9 BUTTON | 60.00 |
| SERPWP3G12B | SE SERIES RELAY PANEL WALL PLATE 4 GANG 12 BUTTON | 70.00 |
| SERPWP5G15B | SE SERIES RELAY PANEL WALL PLATE 5 GANG 15 BUTTON | 80.00 |
| SERPWP6G18B | SE SERIES RELAY PANEL WALL GANG 6 GANG 18 BUTTON | 90.00 |

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Cassia System Components

The Cassia energy management system (EMS) from Schneider Electric is a revolutionary wireless in-room solution that can have a dramatic impact on all key aspects contributing to your bottom line, from delighting your guests and reducing your carbon footprint, to enjoying a rapid return on investment and helping to maximize energy savings.

### Thermostat

The Cassia thermostat controls heating and cooling equipment in guest rooms. Each thermostat uses two independent Zigbee radios for the local Room Area Network (RAN) within the room and the Hotel Area Network (HAN).

### Motion Sensor (PIR)

The Cassia wireless motion sensor uses a Passive Infrared (PIR) sensor to detect heat patterns in the room. Motion will be signaled to the thermostat if the heat pattern changes.

### Door Sensor

The Cassia wireless door sensor consists of a base and magnet. It sends a signal to the RAN indicating when the door is opened or closed.

### Lighting Control

The Cassia Lighting Control System, including switches (1000 W), dimmers (800 W), and plug modules (Leading Edge Dimmer and Relay types), uses ZigBee wireless technology that provides dimming and/or on/off functions.

Wall switches and dimmers are available in black, white, cream or light almond, with one and three button options.

### Plug Modules

Leading Edge Dimmer and Relay Plug Modules are designed to work as part of a Cassia EMS network installation and can be controlled by other devices on a Cassia EMS network. The modules may be placed into any standard 120 V wall outlet.

Plug modules are available in white.

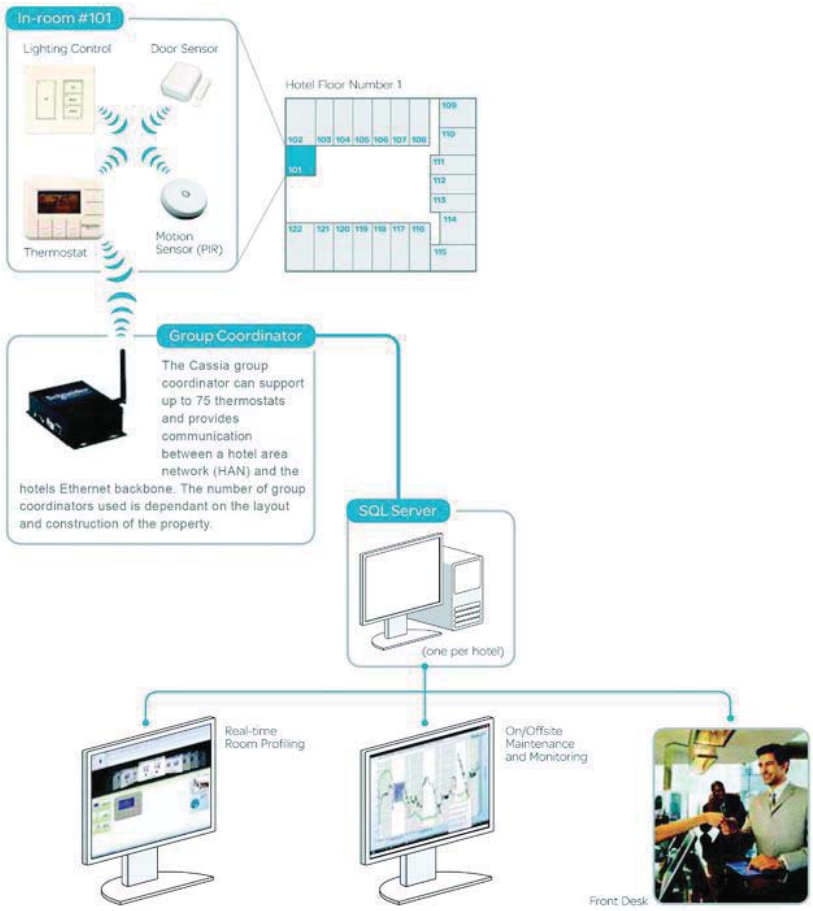
### Group Coordinator (GC)

The Cassia EMS Group Coordinator is a Zigbee® wireless gateway that can support up to 75 thermostats and provides communication between a Room Area Network (RAN) Hotel Area Network (HAN) as well as a Property Management System (PMS).

### Server

The EMS Server receives temperature, door events, motion events, and other data from the rooms. Data flows across the Ethernet network between the Thermostats, Group Coordinators and the EMS server.

**Contact your Schneider Electric representative for more information about the Cassia Energy Management System.**



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